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ABSTRACT

Designed for participants, instructors, and counselors, this booklet provides guidelines and information regarding the annual Skills Fair conducted by Fox Valley Technical Institute to provide junior and senior high school students with an opportunity to receive recognition for occupational skills acquired in their high school course work. Introductory material includes the skills fair schedule and general information on displays and live contests. Information is also presented on contests in the areas of business education, home and consumer sciences, marketing, natural resources, and trade and industry, including a contest description sheet with objectives, activities, judging criteria, materials needed, special preparations, and test information. (HB)

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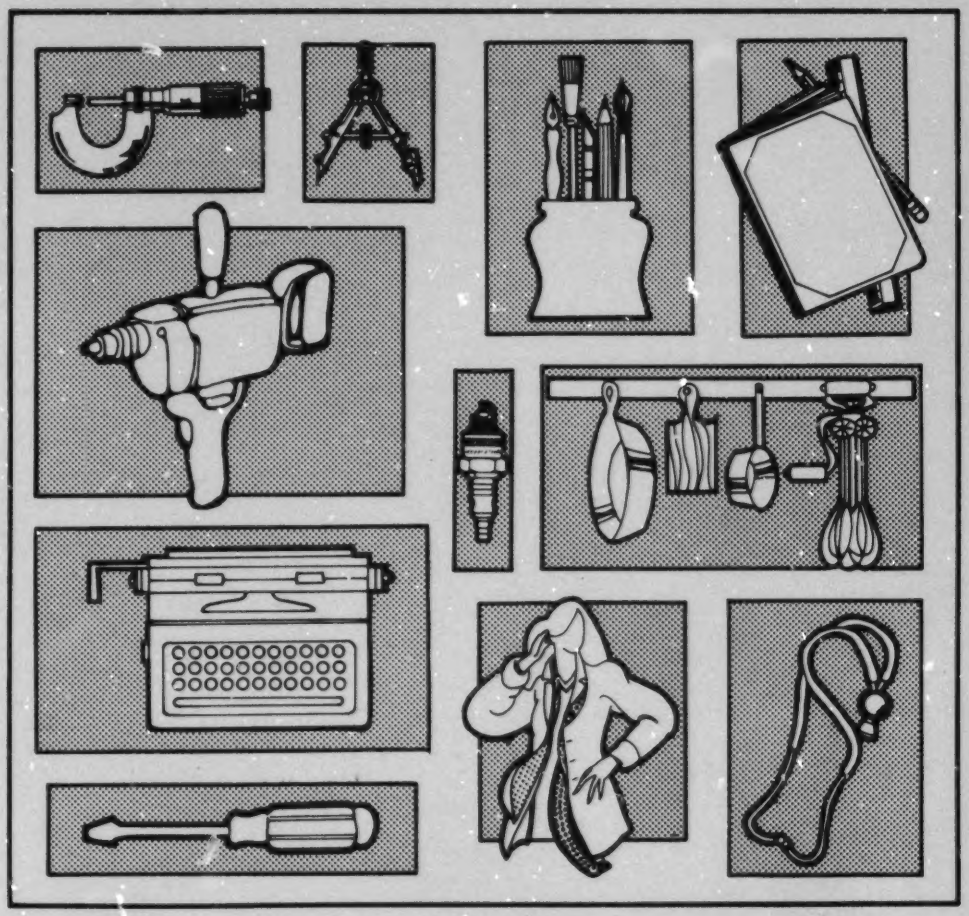
Skills Fair '85

May 14-16, 1985

ED258644

GUIDELINES & INFORMATION



. . . Business . . . Trades and Industry . . .

. . . Natural Resources . . . Marketing . . .

. . . . Home and Consumer Sciences . . . .

JC 850 357

Fox Valley Technical Institute

INTRODUCTION

The annual Skills Fair is an opportunity for junior and senior high school students to receive recognition for occupational skills acquired in their school course work and to visit Fox Valley Technical Institute's Appleton campus. This is the seventh year that FVTI has sponsored the event in cooperation with the FVTI Foundation, the Wisconsin East Central Association for Vocational Education (WECAVE), area businesses, and junior and senior high schools.

Competitive events in the areas of Natural Resources, Business and Marketing, Home and Consumer Sciences, and Trades and Industry will provide your students with the opportunity to compete for scholarships, and special non-competitive demonstrations and displays will give you a glimpse of what FVTI is all about - education for employment.

All district instructors and counselors are encouraged to promote this event to their students.

With the cooperation of the schools, businesses, and FVTI's faculty and staff, the seventh annual Skills Fair will be a tremendous success.

Stanley J. Spanbauer, Ph.D.
District Director

BEST COPY Available

FVTI FOUNDATION INC.

1825 N. Bluemound Drive
P.O. Box 2277
Appleton, Wisconsin 54913-2277
(414) 735-5608

AN INVITATION TO PARTICIPATE

The FVTI Foundation cordially invites you to participate in Skills Fair '85 and offers you the opportunity to compete for scholarship awards.

During the past six years, we've awarded over $31,000 in scholarships to 377 Skills Fair winners. These scholarship certificates can be used for any course (credit and noncredit) offered by the Fox Valley Technical Institute. Students can use the scholarship certificates from award time until three years after anticipated high school graduation.

These scholarships are provided by donations our Foundation receives from business and industry, organizations, and individuals. We're grateful to these donors as well as the many individuals who donate their time to the Foundation and directly to support the Skills Fair.

We encourage your participation in this event not only for the scholarship dollars but for the personal reward of the experience.

Sincerely,

Merle Weihing, President
Fox Valley Technical Institute
Foundation Board

A293A82

SKILLS FAIR SCHEDULE

Final Entry Date	Tuesday, April 30, 1985
Set-up of Display Contest Items	Tuesday, May 14, 1985 3:00 p.m. - 7:00 p.m.
Judging	Wednesday, May 15, 1985 8:00 a.m. - 4:00 p.m.
Open House	Wednesday, May 15, 1985 4:00 p.m. - 8:00 p.m.
Live Competition	Thursday, May 16, 1985 9:00 a.m. - 3:00 p.m.
Take-Down Display Contest Items	Thursday, May 16, 1985 3:00 p.m. - 5:00 p.m.

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GENERAL INFORMATION

DISPLAYS AND LIVE CONTESTS

1. **Who May Enter?**

   All 9th, 10th, 11th, and 12th grade students from FVTI District schools are invited to participate.

2. **Registration Forms**

   Official Skills Fair registration forms are enclosed. Should you need additional forms, notify FVTI, (414) 735-2468, and they will be sent to you. No xeroxed registrations will be accepted. Please be sure to indicate students' current grade in school.

3. **Final Entry Date**

   Registration forms must be submitted to FVTI, Attention: Skills Fair, by Tuesday, April 30, 1985. This is two weeks prior to the Skills Fair and allows us time to make final arrangements. **PLEASE NOTE: NO LATE REGISTRATIONS WILL BE ACCEPTED.**

4. **Project Identification Tags for Displays**

   Project identification tags are enclosed with registration forms. All students entering **display** contests are required to fill out a project identification tag. The project identification tag is a two-part card. **The bottom half of the card must be affixed to the project prior to set-up on Tuesday, May 14, 1985. The top half of the card becomes a claim check for identification on Thursday, May 16, 1985, when displays are picked up.** The claim check **must be shown** to pick up **any** display projects.

5. **Set-up for Display Contest Items**

   You may bring your projects to FVTI-Appleton on Tuesday, May 14, from 3:00 p.m. to 7:00 p.m. Enter at Door No. 3 or Door No. 4, and check your item(s) in at Room G121. (See map on Page 90) Contestants are responsible for setting up their project in the most advantageous way. Tables will be available, and there will also be open floor space for larger projects. **The bottom half of a project identification tag must be affixed to the display item.**

6. **Pick-up for Display Contest Items**

   Projects should be removed between 3:00 p.m. and 5:00 p.m. Thursday, May 16, 1985. **The top half of the project identification tag must be shown in order to claim your item from Room G121.** Prior to 3:00 p.m. on May 16, **NO ITEMS** will be removed from Room G121 without a release from the FVTI Marketing Services Specialist. These arrangements should be made prior to the day of the fair.

   After **5:00 p.m.** on May 16, Fox Valley Technical Institute will not accept responsibility for missing display items.

7. **Live Contests Schedule**

Live contests will take place on Thursday, May 16, 1985, 9:00 a.m. to 3:00 p.m. Students will need to arrive at FVTI at least one-half hour ahead of the contest starting time in order to allow time to pick up registration materials and to locate the contest room. Students may be refused admission to live contests if they arrive after the contest has already started. Please refer to individual contest description for times, rooms, and materials required for each contest.

8. **Judging**

Judging will be by persons who are knowledgeable in the contest areas in which they are judging. Judges will be from local Fox Valley business and industry and FVTI.

9. **Judging Criteria**

Please check individual contest sheets for judging criteria.

10. **Displays and/or Projects**

A display and/or project may be entered in only one contest.

11. **Awards**

Awards will be presented to scholarship, 1st, 2nd, 3rd, and honorable mention winners. In each contest one entry may or may not be designated as the scholarship winner. (However, more than one scholarship may be awarded in contests with large numbers of entries.)

The scholarship winner will receive a $100 educational scholarship to FVTI, as well as any other school which is part of the Wisconsin Vocational, Technical and Adult Education System if the program is not offered at FVTI, or if geographic location makes it a hardship to attend FVTI compared to another VTAE school. If a scholarship is awarded in a contest with team participation, a scholarship amount of $150 will be divided equally among the winning team members. Scholarships are provided by donations from local businesses and industry through the FVTI Foundation. For those individuals entering more than one contest, only one scholarship award can be granted each year. Individuals may accumulate a scholarship award from each year they enter the Skills Fair. Scholarships must be used within three years of anticipated high school graduation date. Decisions of the judges will be final.

Board members of the FVTI Foundation will present scholarships at awards, assemblies or banquets as requested. Contact Pattee LaFountain, FVTI Foundation Manager, (414) 735-5608. Please allow one week advance notice.

12. **Security**

FVTI will attempt to provide adequate security to insure that student projects are not damaged or removed from the premises. Prior to 3:00 p.m. on Thursday, May 16, **NO ITEMS** will be removed from Room G121 without a release from the FVTI Marketing Services Specialist. These arrangements should be made prior to the day of the fair.

13. **Lunch**

Students may purchase a lunch or snacks from FVTI's cafeteria, or they may bring their own lunch. Cafeteria hours are from 11:00 a.m. - 1:00 p.m. Vending machines are also an available option. **Please keep all food in the cafeteria area.**

14. **Open House**

Students' projects and displays will be open to the public to view on Wednesday, May 15, 1985, 4:00 p.m. to 8:00 p.m. Also available for public participation are the other activities listed below. The movie, "Romancing the Stone," will be shown at 6:30 p.m. on May 15.

15. **Other Activities**

Other activities, including departmental displays, demonstrations, a health fair and an art fair, will be available for students to view during their unscheduled time on Thursday, May 16. See the back section of this booklet entitled Other Activities. Please note that advance registration is requested for some of these activities.

16. **Cancellation of Contest**

Any contest not having at least three (3) entrants will be cancelled or, if feasible, the contest will be combined with another.

17. **Tours**

Tours through Fox Valley Technical Institute will be available upon request. Request should be made in writing to Mary Heyer, Marketing Services Specialist, Fox Valley Technical Institute, P.O. Box 2277, Appleton, WI 54913. Please state time, date, and number of students.

18. **For Additional Information**

For additional information contact Mary Heyer, Marketing Services Specialist, Fox Valley Technical Institute, P.O. Box 2277, Appleton, WI 54913, (414) 735-2468.

BUSINESS EDUCATION

Contests: Thursday, May 16, 1985

Contest No.	Contest Title	Time	Location
70056/70057 70058	Shorthand Dictation and Transcription I	9:30 a.m./10:05 a.m. 1:30 p.m.	A117
70059	Shorthand Dictation and Transcription II	10:40 a.m.	A117
70060/70061 70062	Machine Transcription	9:30 a.m./10:30 a.m. 1:00 p.m.	A126
70063/70001 70064/70065	Straight Copy Typing I	9:00 a.m./9:30 a.m. 12:15 p.m./2:00 p.m.	A127
70066/70068 70069	Straight Copy Typing II	9:00 a.m./12:00 p.m. 12:45 p.m.	A124
70070/70071 70072	Typewriting Production I	10:10 a.m./11:10 a.m. 1:00 p.m.	A127
70073/70074 70075	Typewriting Production II	10:10 a.m./11:10 a.m. 1:00 p.m.	A127
70076	Office Procedures	9:30 a.m.	A135
70077	Office Procedures	10:30 a.m.	A103
70078/70079 70080	Machine Calculation	9:30 a.m./10:30 a.m. 1:00 p.m.	B123
70081/70082	Accounting Principles I	9:30 a.m./ 1:00 p.m.	A103, A109 & A108
70083	Accounting Principles II	9:30 a.m.	A112-113
70086	Electronic Data Processing Data Entry	9:30 a.m.	A111
70087	Electronic Data Processing Data Processing Principles	10:10 a.m.	A111
70088	Electronic Data Processing Programming Problem (Basic, CCBOL, or RPG-II)	10:50 a.m.	A111
70018	Proofreading	1:00 p.m.	A111

Individual contest description sheets are included in this booklet immediately following this page.

Business Education
Contest Information
FVTI Skills Fair

Registration Deadline

Registration forms must be submitted to FVTI, Appleton, Attention: Skills Fair, by Tuesday, April 30, 1985. Please review the information provided in the **"General Information"** section of this booklet (Page 1).

PLEASE NOTE: Students will be limited to participate in no more than **two** live business contests due to availability of equipment. In addition, some contests also have a maximum number of contests per school. Please check individual contest sheets for additional information.

Judging and Awards

FVTI staff members and members of the Fox Valley business community will judge and help monitor the contests.

For More Information

If you have any questions about the Skills Fair in the Business Education area, please call Nancy Wittrock, (414) 735-5082.

SHORTHAND DICTATION AND TRANSCRIPTION I
SHORTHAND DICTATION AND TRANSCRIPTION II

Contest Description Sheet

Objectives: To demonstrate the participant's ability to write verbatim shorthand and to transcribe from shorthand notes.

Activities: The contestant will take shorthand for three minutes at one or more of the three speeds dictated at each level.

1. Shorthand Dictation and Transcription I- 80 words per minute, 70 words per minute, 60 words per minute.
2. Shorthand Dictation and Transcription II - 110 words per minute, 100 words per minute, 90 words per minute.
3. Warm-up dictation will be given at the beginning of each contest level.
4. Contestants may take all three shorthand speeds or any one or two of them.
5. Contestants will transcribe their best shorthand takes on an electric typewriter in a limited time period.

Judging Criteria: Participants will be divided into two levels:

Shorthand Dictation and Transcription I - those who have completed one year of classroom instruction in shorthand or are presently completing their first year of instruction.

Shorthand Dictation and Transcription II - those who have completed more than one year of classroom instruction in shorthand.

The transcript will be judged on (1) the speed of the take, (2) the accuracy of the transcript, (3) the style and quality of the typing of the transcript. Example: A Level I take transcribed at 80 wam at 95 percent accuracy would be rated higher than a take transcribed at 60 wam with 99 percent accuracy.

SHORTHAND DICTATION AND TRANSCRIPTION I
SHORTHAND DICTATION AND TRANSCRIPTION II

Contest Description Sheet (Continued)

Materials Needed:

Shorthand notebook
Pens and pencils
Typing eraser or correction tape or fluid
Dictionary or 20,000 Words
Paper will be provided

Special Preparations: The student should be able to determine paragraphing, general punctuation, and letter style.

Skills Fair Shorthand Speed Test Information

Takes will be dictated in Room A117.

Takes will be transcribed in Room A124.

Level I takes will be dictated for three minutes at 80 wam, 70 wam, and 60 wam.

Level II takes will be dictated for three minutes at 110 wam, 100 wam, and 90 wam.

Dictation of speed takes for Level I will begin at 9:30 a.m., 10:05 a.m. and 1:30 p.m. The second level will begin promptly at 10:40 a.m.

The individual may transcribe more than one take.

SHORTHAND DICTATION AND TRANSCRIPTION I
SHORTHAND DICTATION AND TRANSCRIPTION II

Contest Description Sheet (Continued)

Rules for Testing

1. Warm-up dictation will be given at the beginning of each contest level.
2. Names or unusual terms will be previewed.
3. Students may use a dictionary or **20,000 words.**
4. The use of longhand in the shorthand notes is not permitted with the exception of proper names.
5. Extra time for reading notes or making changes or corrections is not allowed. The transcribing time permitted is:

	3-Minute Test	Maximum Error Allowance
60 words a minute	30 minutes	9.0
70 words a minute	30 minutes	10.5
80 words a minute	30 minutes	12.0
90 words a minute	30 minutes	13.5
100 words a minute	45 minutes	15.0
110 words a minute	45 minutes	16.5

Rules For Correcting

1. Each incorrectly transcribed word, each omitted or added word, each transposition, and each deviation from copy as read.
2. Each major punctuation error when the sense of the sentence is affected.
3. Each misspelled word. (When the same word is consistently misspelled, deduct only once.)
4. Each uncorrected typographical error. (Neat corrections are acceptable.)

Business Education
Contest No. 70060-70061
FVTI Skills Fair

MACHINE TRANSCRIPTION

Contest Description Sheet

Objectives: To demonstrate the participant's ability to transcribe letters and memos into mailable copy.

Activities: The participant will transcribe letters and memos for 30 minutes from cassette-type machines. Fifteen minutes will be provided for orientation to the typewriters and transcribers. The laboratory is equipped with IBM Correcting Selectric typewriters and a variety of cassette transcribers.

Judging Criteria: Participants will be judged on words a minute on mailable copies only. Incomplete letters or memos will be included in the word count if they are mailable to the participant's ending point.

Materials Needed: Pencil or pen. Paper will be provided. A dictionary or 20,000 Words is suggested.

Special Preparations: The participant should:

1. Know how to operate transcribing equipment.
2. Know the proper format for letters and memos.
3. Have a good background in spelling, punctuation, and grammar.

Business Education
Contest No. 70063, 70001,
70064-70066, 70068-70069
FVTI Skills Fair

STRAIGHT COPY TYPING I
STRAIGHT COPY TYPING II

Contest Description Sheet

Objectives: To demonstrate the participant's ability to type from straight copy material with speed and accuracy.

Activities: The student will take two five minute timed writings from which the contestant will select and submit one for evaluation. The writings will be taken on IBM Selectric typewriters. A brief warm-up period will be allowed.

Judging Criteria: All participants will be judged on the gross words typed per minute with a five-error limit. Any word, character, or space which does not conform to the copy, line for line, will be judged as an error. Any error which the participant does not circle before submitting, will be counted as two errors. Papers with more than five errors will be disqualified. Participants should register as follows:

Straight Copy Typing I - those who have completed one year of classroom instruction in typing or are presently completing their first year of instruction.

Straight Copy Typing II - those who have completed more than one year of classroom instruction in typing.

Materials Needed: Pencil or pen
Paper will be provided

Special Preparations: The student should be prepared to work with an electric typewriter, to type for five minutes with not more than five errors, and to proofread work carefully.

Note: A maximum of 10 contestants per school will be allowed in each of the contests (Straight Copy Typing I/Straight Copy Typing II).

Business Education
Contest No. 70070-70075
FVTI Skills Fair

TYPEWRITING PRODUCTION I
TYPEWRITING PRODUCTION II

Contest Description Sheet

Objectives To demonstrate the participant's ability to produce mailable business communications from typed or handwritten copy with speed and accuracy.

Activities: The participant will type several typical office problems such as letters and memos during a 25-minute testing period. More problems will be provided than the student will be expected to complete. A ten-minute warm-up period will be allowed. Testing will take place on standard IBM Selectric typewriters.

Judging Criteria: Participants should register as follows:

Typing Production I - those who have completed one year of classroom instruction in typing or are presently completing their first year of instruction.

Typing Production II - those who have completed more than one year of classroom instruction in typing.

All participants will be judged on the number of mailable words per minute. Students will be expected to correct their errors **as they proceed** (No "correct tape" machines are available.) Judging will take into consideration the volume of completed, acceptable work. Deductions will be made for errors in style and typing, violations of specific instructions on each job, and startovers.

Materials Needed: Pencil or pen, carbon paper, correction materials--eraser or correction tape (correction fluid **WILL NOT** be allowed.) Paper will be provided.

TYPING PRODUCTION I
TYPING PRODUCTION II

Contest Description Sheet (Continued)

Special Preparations:

1. Know the proper format for various business communications.
2. Be able to make corrections that are **barely** detectable (if at all).
3. Be able to produce business communications with speed and efficiency.

Note: A maximum of 10 contestants per school will be allowed in each contest (Typewriting Production I/Typewriting Production II).

OFFICE PROCEDURES

Contest Description Sheet

Objectives: To evaluate the contestant's knowledge of basic office skills and procedures and his/her ability to make intelligent decisions.

Activities: This event will consist of one hundred (100) multiple choice items which will cover the areas of:

1. telephone techniques
2. handling mail
3. reprographics
4. human relations
5. filing
6. basic business knowledge

Contestants will be allowed one hour to complete this event.

Judging Criteria: Judging will be based on the number of correct responses.

Materials Needed: Pencils (No. 2 lead)
Soft eraser

Special Preparations: The contestant should be familiar with the various types of office responsibilities. It is suggested that those participating have some background in office procedures and/or cooperative office education.

Application of filing rules will be based on rules with which the student is familiar--either Gregg or Southwestern. (Be prepared to name the text studied.)

No reference materials will be allowed.

Business Education
Contest No. 70078-70080
FVTI Skills Fair

MACHINE CALCULATION

Contest Description Sheet

Objectives: To test the student's skill on a business application test to be taken on electronic calculators for a 30-minute time period.

Activities: The student will complete typical business problems on electronic calculators. A 10- to 15-minute time period will be allowed to get acquainted with the machines.

Judging Criteria: Based on quantity of work completed and accuracy of answers.

Materials Needed: Pencil

Special Preparations: Students should have an adequate background in business math as well as a basic understanding of one of the following electronic printing calculators:

Sharp Compet CS 1165
Texas Instrument 5225

Business Education
Contest No. 70081-70082
FVTI Skills Fair

ACCOUNTING PRINCIPLES I

Contest Description Sheet

Objectives: To demonstrate the contestant's knowledge of accounting principles relating to the areas of accounting which are included in the first year of a typical high school accounting program.

Activities: This competitive event will be in the form of an objective theory test. Such theory as account classification, journalizing typical business transactions, problems relating to transactions and procedures during and at the end of the fiscal period will be included. Sixty (60) minutes will be allowed to complete the test.

Judging Criteria: Judges will consider both accuracy of responses and quantity of completed work.

Materials Needed:
Pencils (No. 2 lead recommended)
Soft eraser
Calculators may be used

Special Preparations: The test may be longer than most students will be able to complete based on the alloted time; therefore, speed is a factor in award determination.

Business Education
Contest No. 70083
FVTI Skills Fair

ACCOUNTING PRINCIPLES II

Contest Description Sheet

Objectives: To demonstrate the contestant's knowledge of accounting principles relating to the areas of accounting which are included in a typical two-year high school accounting program. This would include students who have completed at least one year of accounting.

Activities: This competitive event will include objective theory questions and problems involving financial statements of business. There will be 60 minutes allowed for the test.

Judging Criteria: Judges will consider both accuracy of responses, quality and correct format of work and quantity of completed work.

Materials Needed:
Pencils (No. 2 lead recommended)
Soft eraser
Ruler or other straight edge device
Calculators may be used.

Business Education Division
Contest No. 70086-70088
FVTI Skills Fair

Electronic Data Processing - Data Entry
Electronic Data Processing - Data Processing Principles
Electronic Data Processing - Programming (BASIC, COBOL, RPG-II)

Contest Description Sheet

Objectives: To demonstrate the student's knowledge of electronic data processing in three areas:

1. EDP-Data Entry
2. EDP-Data Processing Principles
3. EDP-Programming (BASIC, COBOL or RPG-II)

Activities: The competition will consist of two 30-minute written objective tests in EDP-Data Entry on the 3741/42 offline data station and online computer terminal and EDP-Data Processing Principles covering general knowledge in the area of data processing. The third test in EDP-Programming consists of a short programming problem written in BASIC, COBOL, or RPG-II. (Attached is the problem solution written in PL1 which the students will solve in **either** COBOL, RPG-II, or BASIC.) The contestant may take the test in EDP-Data Entry, the test in EDP-Data Processing Principles, and/or the test in EDP-Programming in BASIC, COBOL, or RPG-II. Each test will have a scholarship winner.

Judging Criteria: For the EDP-Data Entry and EDP-Computer Programming tests, the judging will be based on the accuracy of responses to the test questions and the quantity of questions answered properly. For EDP-Programming, judging will be based on the ability of the code to produce the specified solution, the quality of the style and structure of the code, and the conformance of the code to the specifications of the American National Standard for the Programming Language (for COBOL and BASIC).

Materials Needed: Pencils (No. 2 lead recommended)
Soft eraser

Special Preparations: Speed is a factor in award determination as the tests may be longer than some students will be able to complete in the allotted time.

SKILLS FAIR EDP-PROGRAMMING (BASIC, COBOL, RPG-II) PROBLEM

1. **Contest Overview Problem Statement**
(See attached reference packet identified "Program FSFPLI01")

   The attached PL1 packet, if analyzed, illustrates the problem and serves as the problem statement.

   Page 4 of 7 is the kind of output achieved using the PL1 solution expressed in pages 1, 2, and 3 of 7. Pages 5, 6 and 7 of 7 are a printout of the card image program solution illustrated in pages 1, 2, 3 and 4 of 7.

   The data consists of three spread cards as illustrated on page 7 of 7 of the PL1 packet.

   In short, the temperature for each day of January 1981 is processed by listing the month, day (1-31), the temperature for that day (+20 through -13), accumulating and listing the accumulated sum of all daily temperatures, and calculating and listing the average temperature month to date.

2. Students who want to solve the problem in COBOL should reference the packet identified "Program FSFCOB2" attached.

   Given the COBOL identification, environment, and data division contents shown (reference pages 1-3 attached of FSFCOB2), code the procedures division to accomplish this problem solution as outlined above.

3. Students who want to solve the problem in RPG should reference the packet identified "Program FSFRPG" attached.

   Given the RPG F, E, I, and O forms entries and data names shown, code the C (calculation) sheets and entries necessary to accomplish this problem solution as outlined above.

4. Students who want to solve the problem in BASIC should reference the packet identified "Program TEMPERAT" attached.

   Given the code shown in the packet, including the outline of the program logic shown in the REM's (as well as Section 1 above), code the additional lines necessary to produce the output on Page 4 of the packet. All code must be American National Standard (Minimal) BASIC. Use of GOTO is to be minimized. Use of FOR...NEXT is not permitted. Do not waste memory. Do not include needless computation or any unnecessary code. Don't use arrays unless necessary. Don't do things more than once unless necessary. Put your code (and your name) on the lines provided in TEMPERAT.

SKILLS FAIR EDP-PROGRAMMING (BASIC, COBOL, RPG-II) PROBLEM

Program FSFPLI01

```
PL/I OPTIMIZING COMPILER                    &SKIP(1);

                MACRO AND SOURCE LISTING

   STMT LEV NT

     1      0     FSFPLI:   PROC OPTIONS (MAIN);                              FSFPLI01

     2    1 0     DCL SYSIN  FILE STREAM INPUT                                FSFPLI01
                             ENV(MEDIUM(SYSIPT) F                            FSFPLI01
                             RECSIZE(80) BUFFERS(2));                        FSFPLI01

     3    1 0     DCL SYSPRINT FILE STREAM PRINT OUTPUT                       FSFPLI01
                             ENV(MEDIUM(SYSLST,1403) F                       FSFPLI01
                             RECSIZE(133) BUFFERS(2));                       FSFPLI01

     4    1 0   DCL  01  COUNTERS_PACKED,                                     FSFPLI01
                        03  RECNT        FIXED DEC (3,0)  INIT(+001),        FSFPLI01
                        03  LNCNT        FIXED DEC (3,0)  INIT(+080),        FSFPLI01
                        03  ERCNT        FIXED DEC (3,0)  INIT(+000),        FSFPLI01
                        03  TOTAL        FIXED DEC (3,0)  INIT(+000),        FSFPLI01
                        03  PZ           FIXED DEC (3,0)  INIT(+000),        FSFPLI01
                        03  P1           FIXED DEC (3,0)  INIT(+001);        FSFPLI01

     5    1 0   DCL  01  PRINT_DISPLAY_AREAS,                                 FSFPLI01
                        03  TOTAL_OUT    PIC 'ZZZ9B-'   INIT(+000),          FSFPLI01
                        03  AVERAGE      PIC 'ZZ9.V99B-' INIT(+000),         FSFPLI01
                        03  DATEP        PIC '(8)X'     INIT(' '),           FSFPLI01
                        03  TMPP         PIC 'ZZ9B-'    INIT(+000),          FSFPLI01
                        03  MONTHS       PIC '(20)X'    INIT(' ');           FSFPLI01

     6    1 0   DCL  01  COUNTERS_BINARY,                                     FSFPLI01
                        03  I            FIXED BIN(15)  INIT(+000),          FSFPLI01
                        03  J            FIXED BIN(15)  INIT(+000),          FSFPLI01
                        03  K            FIXED BIN(15)  INIT(+000),          FSFPLI01
                        03  BZ           FIXED BIN(15)  INIT(+000),          FSFPLI01
                        03  B1           FIXED BIN(15)  INIT(+001),          FSFPLI01
                        03  B13          FIXED BIN(15)  INIT(+013);          FSFPLI01

     7    1 0   DCL  01  RECIN     CHAR(80) INIT(' ');                        FSFPLI01

     8    1 0   DCL  01  RECLO     DEFINED  RECIN,                            FSFPLI01
                        03  MONTH        CHAR(20),                           FSFPLI01
                        03  GROUPX(13),                                      FSFPLI01
                            05  DAYX     PIC 'XX',                           FSFPLI01
                            05  TMPX     PIC 'XX';                           FSFPLI01

     9    1 0   DCL  01  RECLON   DEFINED  RECIN,                            FSFPLI01
                        03  FILLER       CHAR(20),                           FSFPLI01
                        03  GROUPN(13),                                      FSFPLI01
                            05  DAYN     PIC '9R',                           FSFPLI01
                            05  TMPN     PIC '9R';                           FSFPLI01

    10    1 0   DCL (SUBSTR,DATE,HIGH) BUILTIN;                              FSFPLI01

    11    1 0         ON ENDFILE (SYSIN);                                     FSFPLI01
```


BEST COPY 24

SKILLS FAIR EDP-PROGRAMMING (BASIC, COBOL, RPG-II) PROBLEM

Program FSFPLI01


```
PL/I OPTIMIZING COMPILER                    *SKIP(1);

   STMT LEV NT

     12   1  0        MNLN:                                                    FSFPLI01
                           PUT PAGE;                                          FSFPLI01
     13   1  0             RECIN = HIGH(80);                                  FSFPLI01
     14   1  0             GET EDIT (RECIN) (A(80));                          FSFPLI01
     15   1  0             PUT EDIT                                           FSFPLI01
                                 ('FSFPLI01 PROGRAM EXAMPLE FOR THE SKILLS FAIR') (A); FSFPLI01
     16   1  0             PUT SKIP(2);                                       FSFPLI01
     17   1  0             DATEP = DATE;                                      FSFPLI01
     18   1  0             SUBSTR(DATEP,7,2) = SUBSTR(DATEP,1,2);             FSFPLI01
     19   1  0             SUBSTR(DATEP,1,2) = SUBSTR(DATEP,3,2);             FSFPLI01
     20   1  0             SUBSTR(DATEP,4,2) = SUBSTR(DATEP,5,2);             FSFPLI01
     21   1  0             SUBSTR(DATEP,3,1),SUBSTR(DATEP,6,1) = '/';         FSFPLI01
     22   1  0             MONTHS = MONTH;                                    FSFPLI01
     23   1  0             PUT EDIT ('MONTH OF ',MONTHS,'  RUN ON ',DATEP) (A,A,A,A); FSFPLI01
     24   1  0             PUT SKIP(2);                                       FSFPLI01
     25   1  0             PUT EDIT ('RECIN CONTENT IS: ',RECIN) (A,A);       FSFPLI01
     26   1  0             PUT SKIP(2);                                       FSFPLI01
     27   1  0             DO WHILE (RECIN ¬= HIGH(80));                      FSFPLI01
     28   1  1                 CALL PROCESS;                                  FSFPLI01
     29   1  1             END;                                               FSFPLI01

     30   1  0        EOJ:                                                     FSFPLI01
     31   1  0             PUT SKIP(3);  PUT SKIP(2);                         FSFPLI01
     32   1  0             TOTAL_OUT = TOTAL;                                 FSFPLI01
     33   1  0             PUT EDIT ('TOTAL = ',TOTAL_OUT) (A,A);             FSFPLI01
     34   1  0             PUT SKIP(2);                                       FSFPLI01
     35   1  0             AVERAGE = ((TOTAL / 31) + 0.005);                  FSFPLI01
     36   1  0             PUT EDIT                                           FSFPLI01
                                 ('THE AVERAGE TEMPERATURE FOR THE MONTH OF FSFPLI01
                                  MONTHS,'IS',AVERAGE) (A,A,A,A);           FSFPLI01
     37   1  0             PUT SKIP(2);                                       FSFPLI01
     38   1  0             PUT EDIT ('RECNT = ',RECNT) (A,A);                 FSFPLI01
     39   1  0             PUT SKIP(2);                                       FSFPLI01
     40   1  0             PUT EDIT ('GOOD EOJ PGM - FSFPLI01: --RCS') (A);   FSFPLI01
```


BEST COPY

SKILLS FAIR EDP-PROGRAMMING (BASIC, COBOL, RPG-II) PROBLEM

Program FSFPLI01


```
PL/I OPTIMIZING COMPILER                    %SKIP(1);

   STMT LEV NT

                        /*  SUBROUTINES SECTION  */                          FSFPLI01

     41   1  0          ACCPT: PROC;                                         FSFPLI01
     42   2  0              RECIN = HIGH(80);                                FSFPLI01
     43   2  0              GET EDIT (RECIN) (A(80));                        FSFPLI01
     44   2  0              IF RECIN ¬= HIGH(80)                             FSFPLI01
                                THEN DO;                                     FSFPLI01
     45   2  1                       RECNT = RECNT + P1;                     FSFPLI01
     46   2  1                       PUT SKIP(2);                            FSFPLI01
     47   2  1                       PUT EDIT ('RECIN CONTENT IS: ',RECIN) (A,A);  FSFPLI01
     48   2  1                       DO I = 1 TO 80;                         FSFPLI01
     49   2  2                          IF SUBSTR(RECIN,I,1) = ' '           FSFPLI01
                                           THEN SUBSTR(RECIN,I,1) = '0';     FSFPLI01
     50   2  2                       END;                                    FSFPLI01
     51   2  1                       PUT SKIP(1);                            FSFPLI01
     52   2  1                 END;                                          FSFPLI01
     53   2  0          ACCPTX: END ACCPT;                                   FSFPLI01

     54   1  0          PROCESS: PROC;                                       FSFPLI01
     55   2  0              DO I = B1 TO B13 BY B1;                          FSFPLI01
     56   2  1                  CALL PRT;                                    FSFPLI01
     57   2  1              END;                                             FSFPLI01
     58   2  0              CALL ACCPT;                                      FSFPLI01
     59   2  0          PROCESSX: END PROCESS;                               FSFPLI01

     60   1  0          PRT: PROC;                                           FSFPLI01
     61   2  0              IF DAYX (I) ¬= '00' THEN DO;                     FSFPLI01
     62   2  1                  TMPP = TMPN (I);                             FSFPLI01
     63   2  1                  TOTAL = TOTAL + TMPN (I);                    FSFPLI01
     64   2  1                  AVERAGE = ((TOTAL / DAYN (I)) + 0.005);      FSFPLI01
     65   2  1                  PUT EDIT                                     FSFPLI01
                                    (' DAYX = ',DAYX (I),                   FSFPLI01
                                     ' TEMPERATURE_X = ',TMPX (I),          FSFPLI01
                                     ' DAYN = ',DAYN  (I),                  FSFPLI01
                                     ' TEMPERATURE_N = ',TMPP,              FSFPLI01
                                     ' TOTAL = ',TOTAL,                     FSFPLI01
                                     ' AVERAGE = ',AVERAGE)                 FSFPLI01
                                    (SKIP(1),A,A,A,A,A,A,A,A,A,A,A,A,A);    FSFPLI01
     66   2  1                  END;                                         FSFPLI01
     67   2  0          PRTX: END PRT;                                       FSFPLI01

     68   1  0          FSFPLIX: END FSFPLI;                                 FSFPLI01
```


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BEST COPY

SKILLS FAIR EDP-PROGRAMMING (BASIC, COBOL, RPG-II) PROBLEM

Program FSFPLI01

```
FSFPLI01 PROGRAM EXAMPLE FOR THE SKILLS FAIR

MONTH OF JANUARY 1981          RUN ON 05/04/81

RECI  CONTENT IS: JANUARY 1981        0120021903180416051506140713081209121001101081207130615FPLI01


 DAYX = 01 TEMPERATURE_X = 20 DAYN = 01 TEMPERATURE_N =  20   TOTAL =    20 AVERAGE =  20.00
 DAYX = 02 TEMPERATURE_X = 19 DAYN = 02 TEMPERATURE_N =  19   TOTAL =    39 AVERAGE =  19.50
 DAYX = 03 TEMPERATURE_X = 18 DAYN = 03 TEMPERATURE_N =  18   TOTAL =    57 AVERAGE =  19.00
 DAYX = 04 TEMPERATURE_X = 16 DAYN = 04 TEMPERATURE_N =  16   TOTAL =    73 AVERAGE =  18.25
 DAYX = 05 TEMPERATURE_X = 15 DAYN = 05 TEMPERATURE_N =  15   TOTAL =    88 AVERAGE =  17.60
 DAYX = 06 TEMPERATURE_X = 14 DAYN = 06 TEMPERATURE_N =  14   TOTAL =   102 AVERAGE =  17.00
 DAYX = 07 TEMPERATURE_X = 13 DAYN = 07 TEMPERATURE_N =  13   TOTAL =   115 AVERAGE =  16.43
 DAYX = 08 TEMPERATURE_X = 12 DAYN = 08 TEMPERATURE_N =  12   TOTAL =   127 AVERAGE =  15.88
 DAYX = 09 TEMPERATURE_X = 10 DAYN = 09 TEMPERATURE_N =  10   TOTAL =   137 AVERAGE =  15.22
 DAYX = 10 TEMPERATURE_X = 09 DAYN = 10 TEMPERATURE_N =   9   TOTAL =   146 AVERAGE =  14.60
 DAYX = 11 TEMPERATURE_X = 08 DAYN = 11 TEMPERATURE_N =   8   TOTAL =   154 AVERAGE =  14.00
 DAYX = 12 TEMPERATURE_X = 07 DAYN = 12 TEMPERATURE_N =   7   TOTAL =   161 AVERAGE =  13.42
 DAYX = 13 TEMPERATURE_X = 06 DAYN = 13 TEMPERATURE_N =   6   TOTAL =   167 AVERAGE =  12.85

RECIN CONTENT IS:                     1405150416031702180119002200J210K229L230M240N2500260PFSFPLI01

 DAYX = 14 TEMPERATURE_X = 05 DAYN = 14 TEMPERATURE_N =   5   TOTAL =   172 AVERAGE =  12.29
 DAYX = 15 TEMPERATURE_X = 04 DAYN = 15 TEMPERATURE_N =   4   TOTAL =   176 AVERAGE =  11.73
 DAYX = 16 TEMPERATURE_X = 03 DAYN = 16 TEMPERATURE_N =   3   TOTAL =   179 AVERAGE =  11.19
 DAYX = 17 TEMPERATURE_X = 02 DAYN = 17 TEMPERATURE_N =   2   TOTAL =   181 AVERAGE =  10.65
 DAYX = 18 TEMPERATURE_X = 01 DAYN = 18 TEMPERATURE_N =   1   TOTAL =   182 AVERAGE =  10.11
 DAYX = 19 TEMPERATURE_X = 00 DAYN = 19 TEMPERATURE_N =   0   TOTAL =   182 AVERAGE =   9.58
 DAYX = 20 TEMPERATURE_X = 0J DAYN = 20 TEMPERATURE_N =   1 - TOTAL =   181 AVERAGE =   9.05
 DAYX = 21 TEMPERATURE_X = 0K DAYN = 21 TEMPERATURE_N =   2 - TOTAL =   179 AVERAGE =   8.52
 DAYX = 22 TEMPERATURE_X = 0L DAYN = 22 TEMPERATURE_N =   3 - TOTAL =   176 AVERAGE =   8.00
 DAYX = 23 TEMPERATURE_X = 0M DAYN = 23 TEMPERATURE_N =   4 - TOTAL =   172 AVERAGE =   7.48
 DAYX = 24 TEMPERATURE_X = 0N DAYN = 24 TEMPERATURE_N =   5 - TOTAL =   167 AVERAGE =   6.96
 DAYX = 25 TEMPERATURE_X = 0O DAYN = 25 TEMPERATURE_N =   6 - TOTAL =   161 AVERAGE =   6.44
 DAYX = 26 TEMPERATURE_X = 0P DAYN = 26 TEMPERATURE_N =   7 - TOTAL =   154 AVERAGE =   5.92

RECIN CONTENT IS:                     2700280R291J301K311L                                FSFPLI01

 DAYX = 27 TEMPERATURE_X = 00 DAYN = 27 TEMPERATURE_N =   8 - TOTAL =   146 AVERAGE =   5.41
 DAYX = 28 TEMPERATURE_X = 0R DAYN = 28 TEMPERATURE_N =   9 - TOTAL =   137 AVERAGE =   4.89
 DAYX = 29 TEMPERATURE_X = 1J DAYN = 29 TEMPERATURE_N =  11 - TOTAL =   126 AVERAGE =   4.34
 DAYX = 30 TEMPERATURE_X = 1K DAYN = 30 TEMPERATURE_N =  12 - TOTAL =   114 AVERAGE =   3.80
 DAYX = 31 TEMPERATURE_X = 1L DAYN = 31 TEMPERATURE_N =  13 - TOTAL =   101 AVERAGE =   3.26


TOTAL =  101

THE AVERAGE TEMPERATURE FOR THE MONTH OF JANUARY 1981        IS  3.26

RECNT =       3

GOOD EOJ PGM = FSFPLI01: --RCS
```


BEST COPY 27

SKILLS FAIR EDP-PROGRAMMING (BASIC, COBOL, RPG-II) PROBLEM

Program FSFPLI01

```
// JOB FSFIII301   -PLI- SKILLS FAIR PROBLEM -- I/O BOX 183                FSFPLI01
// OPTION LOG                                                              FSFPLI01
// EXEC JOBSEP                                                             FSFPLI01
// OPTION LINK                                                             FSFPLI01
// EXEC PLIOPT                                                             FSFPLI01
        %SKIP(1);                                                          FSFPLI01
    FSFPLI:   PROC OPTIONS (MAIN);                                         FSFPLI01
        %SKIP(1);                                                          FSFPLI01
    DCL SYSIN  FILE STREAM INPUT                                           FSFPLI01
               ENV(MEDIUM(SYSIPT) F                                        FSFPLI01
               RECSIZE(80) BUFFERS(2));                                    FSFPLI01
        %SKIP(1);                                                          FSFPLI01
    DCL SYSPRINT FILE STREAM PRINT OUTPUT                                  FSFPLI01
               ENV(MEDIUM(SYSLST,1403) F                                   FSFPLI01
               RECSIZE(133) BUFFERS(2));                                   FSFPLI01
        %SKIP(1);                                                          FSFPLI01
  DCL  01  COUNTERS_PACKED,                                                FSFPLI01
           03  RECNT          FIXED DEC (3,0)  INIT(+001),                FSFPLI01
           03  LNCNT          FIXED DEC (3,0)  INIT(+080),                FSFPLI01
           03  ERCNT          FIXED DEC (3,0)  INIT(+000),                FSFPLI01
           03  TOTAL          FIXED DEC (3,0)  INIT(+000),                FSFPLI01
           03  PZ             FIXED DEC (3,0)  INIT(+000),                FSFPLI01
           03  P1             FIXED DEC (3,0)  INIT(+001);                FSFPLI01
        %SKIP(1);                                                          FSFPLI01
  DCL  01  PRINT_DISPLAY_AREAS,                                            FSFPLI01
           03  TOTAL_OUT      PIC 'ZZZ9B-'   INIT(+000),                  FSFPLI01
           03  AVERAGE        PIC 'ZZ9.V99B-' INIT(+000),                 FSFPLI01
           03  DATEP          PIC '(8)X'      INIT(' '),                  FSFPLI01
           03  TMPP           PIC 'ZZ9B-'     INIT(+000),                 FSFPLI01
           03  MONTHS         PIC '(20)X'     INIT(' ');                  FSFPLI01
        %SKIP(1);                                                          FSFPLI01
  DCL  01  COUNTERS_BINARY,                                                FSFPLI01
           03  I              FIXED BIN(15)  INIT(+000),                  FSFPLI01
           03  J              FIXED BIN(15)  INIT(+000),                  FSFPLI01
           03  K              FIXED BIN(15)  INIT(+000),                  FSFPLI01
           03  BZ             FIXED BIN(15)  INIT(+000),                  FSFPLI01
           03  B1             FIXED BIN(15)  INIT(+001),                  FSFPLI01
           03  B13            FIXED BIN(15)  INIT(+013);                  FSFPLI01
        %SKIP(1);                                                          FSFPLI01
  DCL  01  RECIN    CHAR(80) INIT(' ');                                    FSFPLI01
        %SKIP(1);                                                          FSFPLI01
  DCL  01  RECLO    DEFINED  RECIN,                                        FSFPLI01
           03  MONTH          CHAR(20),                                   FSFPLI01
           03  GROUPX(13),                                                FSFPLI01
               05  DAYX       PIC 'XX',                                   FSFPLI01
               05  TMPX       PIC 'XX';                                   FSFPLI01
        %SKIP(1);                                                          FSFPLI01
  DCL  01  RECLON   DEFINED  RECIN,                                        FSFPLI01
           03  FILLER         CHAR(20),                                   FSFPLI01
           03  GROUPN(13),                                                FSFPLI01
               05  DAYN       PIC '9R',                                   FSFPLI01
               05  TMPN       PIC '9R';                                   FSFPLI01
        %SKIP(1);                                                          FSFPLI01
  DCL (SUBSTR,DATE,HIGH) BUILTIN;                                          FSFPLI01
        %SKIP(1);                                                          FSFPLI01
      ON ENDFILE (SYSIN);                                                  FSFPLI01
        %PAGE;                                                             FSFPLI01
```


BEST COPY 28

SKILLS FAIR EDP-PROGRAMMING (BASIC, COBOL, RPG-II) PROBLEM

Program FSFPLI01

```
        PUT PAGE;                                                       FSFPLI01
        RECIN = HIGH(80);                                               FSFPLI01
        GET EDIT (RECIN) (A(80));                                       FSFPLI01
        PUT EDIT                                                        FSFPLI01
              ('FSFPLI01 PROGRAM EXAMPLE FOR THE SKILLS FAIR') (A);     FSFPLI01
        PUT SKIP(2);                                                    FSFPLI01
        DATEP = DATE;                                                   FSFPLI01
        SUBSTR(DATEP,7,2) = SUBSTR(DATEP,1,2);                          FSFPLI01
        SUBSTR(DATEP,1,2) = SUBSTR(DATEP,3,2);                          FSFPLI01
        SUBSTR(DATEP,4,2) = SUBSTR(DATEP,5,2);                          FSFPLI01
        SUBSTR(DATEP,3,1),SUBSTR(DATEP,6,1) = '/';                      FSFPLI01
        MONTHS = MONTH;                                                 FSFPLI01
        PUT EDIT ('MONTH OF ',MONTHS,'  RUN ON ',DATEP) (A,A,A,A);      FSFPLI01
        PUT SKIP(2);                                                    FSFPLI01
        PUT EDIT ('RECIN CONTENT IS: ',RECIN) (A,A);                    FSFPLI01
        PUT SKIP(2);                                                    FSFPLI01
        DO WHILE (RECIN ¬= HIGH(80));                                   FSFPLI01
          CALL PROCESS;                                                 FSFPLI01
        END;                                                            FSFPLI01
        %SKIP(1);                                                       FSFPLI01
    EOJ:                                                                FSFPLI01
        PUT SKIP(3);  PUT SKIP(2);                                      FSFPLI01
        TOTAL_OUT = TOTAL;                                              FSFPLI01
        PUT EDIT ('TOTAL = ',TOTAL_OUT) (A,A);                          FSFPLI01
        PUT SKIP(2);                                                    FSFPLI01
        AVERAGE = ((TOTAL / 31) + 0.005);                               FSFPLI01
        PUT EDIT                                                        FSFPLI01
              ('THE AVERAGE TEMPERATURE FOR THE MONTH OF ',             FSFPLI01
               MONTHS,'IS',AVERAGE) (A,A,A,A);                          FSFPLI01
        PUT SKIP(2);                                                    FSFPLI01
        PUT EDIT ('RECNT = ',RECNT) (A,A);                              FSFPLI01
        PUT SKIP(2);                                                    FSFPLI01
        PUT EDIT ('GOOD EOJ PGM = FSFPLI01: --RCS') (A);                FSFPLI01
        %PAGE;                                                          FSFPLI01
    /*  SUBROUTINES SECTION  */                                         FSFPLI01
        %SKIP(1);                                                       FSFPLI01
    ACCPT: PROC;                                                        FSFPLI01
        RECIN = HIGH(80);                                               FSFPLI01
        GET EDIT (RECIN) (A(80));                                       FSFPLI01
        IF RECIN ¬= HIGH(80)                                            FSFPLI01
            THEN DO;                                                    FSFPLI01
                 RECNT = RECNT + P1;                                    FSFPLI01
                 PUT SKIP(2);                                           FSFPLI01
                 PUT EDIT ('RECIN CONTENT IS: ',RECIN) (A,A);           FSFPLI01
                 DO I = 1 TO 80;                                        FSFPLI01
                    IF SUBSTR(RECIN,I,1) = ' '                          FSFPLI01
                       THEN SUBSTR(RECIN,I,1) = '0';                    FSFPLI01
                 END;                                                   FSFPLI01
                 PUT SKIP(1);                                           FSFPLI01
            END;                                                        FSFPLI01
    ACCPTX: END ACCPT;                                                  FSFPLI01
        %SKIP(1);                                                       FSFPLI01
    PROCESS: PROC;                                                      FSFPLI01
        DO I = 81 TO 813 BY 81;                                         FSFPLI01
          CALL PRT;                                                     FSFPLI01
        END;                                                            FSFPLI01
        CALL ACCPT;                                                     FSFPLI01
    PROCESSX: END PROCESS;                                              FSFPLI01
```


BEST COPY

SKILLS FAIR EDP-PROGRAMMING (BASIC, COBOL, RPG-II) PROBLEM

Program FSFPLI01


```
        %SKIP(1);                                                          FSFPLI01
      PRT: PROC;                                                           FSFPLI01
        IF DAYX (I) ¬= '00' THEN DO;                                       FSFPLI01
          TMPP = TMPN (I);                                                 FSFPLI01
          TOTAL = TOTAL + TMPN (I);                                        FSFPLI01
          AVERAGE = ((TOTAL / DAYN (I)) + 0.005);                          FSFPLI01
          PUT EDIT                                                         FSFPLI01
                (' DAYX = ',DAYX (I),                                      FSFPLI01
                 ' TEMPERATURE_X = ',TMPX (I),                             FSFPLI01
                 ' DAYN = ',DAYN  (I),                                     FSFPLI01
                 ' TEMPERATURE_N = ',TMPP,                                 FSFPLI01
                 ' TOTAL = ',TOTAL,                                        FSFPLI01
                 ' AVERAGE = ',AVERAGE)                                    FSFPLI01
                (SKIP(1),A,A,A,A,A,A,A,A,A,A,A,A);                         FSFPLI01
          END;                                                             FSFPLI01
      PRTX: END PRT;                                                       FSFPLI01
        %SKIP(1);                                                          FSFPLI01
      FSFPLIX: END FSFPLI;                                                 FSFPLI01
        %PAGE;                                                             FSFPLI01
/*          END OF SOURCE FOR ICCF LIBRARY 71 MODULE FSFPLI01:             FSFPLI01
// EXEC LNKEDT                                                             FSFPLI01
// EXEC                                                                    FSFPLI01
JANUARY 1981        012002190318041605150614071308120910100911081207130 6FSFPLI01
                    140515041603170218011900200J210K220L230M240N2500260PFSFPLI01
                    2700280K291J301K311L                                   FSFPLI01
/*          END OF DATA FOR ICCF LIBRARY 71 MODULE FSFPLI01:               FSFPLI01
// ASSGN SYS092,X'19A'                                                     FSFPLI01
// ASSGN SYS093,X'19B'                                                     FSFPLI01
// ASSGN SYS094,X'19C'                                                     FSFPLI01
// EXEC DTSUTIL                                                            FSFPLI01
PR M(71,FSFPLI01)
END                                                                        FSFPLI01
/*                                                                         FSFPLI01
/&          EOJ FOR ICCF LIBRARY 71 MODULE FSFPLI01:                       FSFPLI01
*END PRINT        150 RECORDS
```


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SKILLS FAIR EDP-PROGRAMMING (BASIC, COBOL, RPG-II) PROBLEM

Program FSFCOB2

```
 2                    09.29.43        05/04/81

00002          ID DIVISION.                                                  FSFCOB02
00004          PROGRAM-ID.  FSFCOB02.                                        FSFCOB02
00006          ENVIRONMENT DIVISION.                                         FSFCOB02
00008          CONFIGURATION SECTION.                                        FSFCOB02
00010          OBJECT-COMPUTER.  IBM-370.                                    FSFCOB02
00012          SPECIAL-NAMES.                                                FSFCOB02
00014              C01 IS TOP-OF-PAGE.                                       FSFCOB02
00016          INPUT-OUTPUT SECTION.                                         FSFCOB02
00018          FILE-CONTROL.                                                 FSFCOB02
00020              SELECT IN-FILE ASSIGN TO  SYS007-UR-2501-S.               FSFCOB02
00021              SELECT OUT-FILE ASSIGN TO  SYS006-UR-1403-S.              FSFCOB02
```

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SKILLS FAIR EDP-PROGRAMMING (BASIC, COBOL, RPG-II) PROBLEM

Program FSFCOB2

```
    3       FSFC0B02        09.29.43        05/04/81

00023          DATA DIVISION.                                                FSFC0B02

00025          FILE SECTION.                                                 FSFC0B02

00027          FD  IN-FILE                                                   FSFC0B02
00028              LABEL RECORDS ARE OMITTED.                                FSFC0B02

00030          01  IN-REC                      PIC X(80).                    FSFC0B02

00032          FD  OUT-FILE                                                  FSFC0B02
00033              LABEL RECORDS ARE OMITTED.                                FSFC0B02

00035          01  OUT-REC PIC X(133).                                       FSFC0B02

00037          WORKING-STORAGE SECTION.                                      FSFC0B02

00039          01  PROGRAM-SWITCHES.                                         FSFC0B02
00040              05 INPUT-SWITCH PIC X(3).                                 FSFC0B02
00041                 88 MORE-CARDS    VALUE 'YES'.                          FSFC0B02
00042                 88 NO-MORE-CARDS VALUE 'NO'.                           FSFC0B02

00044          01  COUNTERS-PACKED COMP-3.                                   FSFC0B02
00045              03  RECNT    PIC S999  VALUE ZEROS.                       FSFC0B02
00046              03  LNCNT    PIC S999  VALUE +080.                        FSFC0B02
00047              03  ERCNT    PIC S999  VALUE ZEROS.                       FSFC0B02
00048              03  TOTAL    PIC S999  VALUE ZEROS.                       FSFC0B02
00049              03  PZ       PIC S999  VALUE ZEROS.                       FSFC0B02
00050              03  P1       PIC S999  VALUE +001.                        FSFC0B02

00052          01  WORK-AREAS.                                               FSFC0B02
00053              03  WS-AVERAGE  PIC S9(3)V99  VALUE ZEROES COMP-3.        FSFC0B02
00054              03  WS-MONTH    PIC X(16).                                FSFC0B02

00056          01  COUNTERS-BINARY COMP.                                     FSFC0B02
00057              03  I    PIC S999 VALUE ZEROS.                            FSFC0B02
00058              03  J    PIC S999 VALUE ZEROS.                            FSFC0B02
00059              03  K    PIC S999 VALUE ZEROS.                            FSFC0B02
00060              03  B2   PIC S999 VALUE ZEROS.                            FSFC0B02
00061              03  B1   PIC S999 VALUE +001.                             FSFC0B02
00062              03  B13 PIC S999 VALUE +013.                              FSFC0B02

00064          01  RECIN   PIC X(80) VALUE SPACES.                           FSFC0B02

00066          01  RECLO  REDEFINES RECIN.                                   FSFC0B02
00067              03  MONTH   PIC X(20).                                    FSFC0B02
00068              03  GROUPX  OCCURS 13 TIMES.                              FSFC0B02
00069                  05  DAYX     PIC XX.                                  FSFC0B02
00070                  05  TMPX     PIC XX.                                  FSFC0B02

00072          01  RECLON  REDEFINES RECIN.                                  FSFC0B02
00073              03  FILLER  PIC X(20).                                    FSFC0B02
00074              03  GROUPN  OCCURS 13 TIMES.                              FSFC0B02
00075                  05  DAYN     PIC S99.                                 FSFC0B02
00076                  05  TMPN     PIC S99.                                 FSFC0B02
```


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SKILLS FAIR EDP-PROGRAMMING (BASIC, COBOL, RPG-II) PROBLEM

Program FSFCOB2

FSFCOB02 09.29.43 05/04/81

```
00078          01  HDG-LINE-1.                                              FSFCOB02
00079              05  FILLER PIC X.                                        FSFCOB02
00080              05  FILLER PIC X(44)                                     FSFCOB02
00081                  VALUE 'FSFCOB02 PROGRAM EXAMPLE FOR THE SKILLS FAIR'. FSFCOB02
00082              05  FILLER PIC X(48)  VALUE SPACES.                      FSFCOB02

00084          01  HDG-LINE-2.                                              FSFCOB02
00085              05  FILLER  PIC X.                                       FSFCOB02
00086              05  FILLER  PIC X(9) VALUE 'MONTH OF '.                  FSFCOB02
00087              05  HDG-MONTH   PIC X(16).                               FSFCOB02
00088              05  FILLER  PIC X(7) VALUE 'RUN ON '.                    FSFCOB02
00089              05  HDG-CURR-DATE   PIC X(8).                            FSFCOB02
00090              05  FILLER  PIC X(90) VALUE SPACES.                      FSFCOB02

00092          01  HDG-LINE-3.                                              FSFCOB02
00093              05  FILLER  PIC X.                                       FSFCOB02
00094              05  FILLER   PIC X(18) VALUE 'RECIN CONTENT IS: '.       FSFCOB02
00095              05  HDG-INPUT   PIC X(80).                               FSFCOB02
00096              05  FILLER  PIC X(34) VALUE SPACES.                      FSFCOB02

00098          01  WS-PRINT-LINE.                                           FSFCOB02
00099              05 FILLER   PIC X.                                       FSFCOB02
00100              05 FILLER   PIC X  VALUE SPACES.                         FSFCOB02
00101              05 FILLER   PIC X(7)  VALUE 'DAYX = '.                   FSFCOB02
00102              05 PDAYX    PIC X(2).                                    FSFCOB02
00103              05 FILLER   PIC X(17)  VALUE ' TEMPERATURE-X = '.        FSFCOB02
00104              05 PTEMPX   PIC X(2).                                    FSFCOB02
00105              05 FILLER   PIC X(8)  VALUE ' DAYN = '.                  FSFCOB02
00106              05 PDAYN    PIC 9(2).                                    FSFCOB02
00107              05 FILLER   PIC X(18)  VALUE ' TEMPERATURE-N =  '.       FSFCOB02
00108              05 PTEMPN   PIC Z98-.                                    FSFCOB02
00109              05 FILLER   PIC X(11)  VALUE '   TOTAL = '.             FSFCOB02
00110              05 PTEMP-TOTAL  PIC 9(3).                                FSFCOB02
00111              05 FILLER   PIC X(12)  VALUE ' AVERAGE = '.              FSFCOB02
00112              05 PTEMP-AVERAGE   PIC 99.99.                            FSFCOB02
00113              05 FILLER   PIC X(40)  VALUE SPACES.                     FSFCOB02

00115          01  WS-TOTAL-LINE.                                           FSFCOB02
00116              05  FILLER  PIC X.                                       FSFCOB02
00117              05  FILLER  PIC X(8) VALUE 'TOTAL = '.                   FSFCOB02
00118              05  TOT-TOTAL   PIC ZZ98-.                               FSFCOB02
00119              05  FILLER  PIC X(43)                                    FSFCOB02
00120                  VALUE '  THE AVERAGE TEMPERATURE FOR THE MONTH OF '. FSFCOB02
00121              05  TOT-MONTH   PIC X(16).                               FSFCOB02
00122              05  FILLER  PIC X(3) VALUE 'IS '.                        FSFCOB02
00123              05  TOT-AVERAGE PIC ZZ.998-.                             FSFCOB02
00124              05  FILLER  PIC X(10) VALUE '  RECNT = '.               FSFCOB02
00125              05  TOT-RECNT   PIC 999.                                 FSFCOB02
00126              05  FILLER  PIC X(41) VALUE SPACES.                      FSFCOB02
```


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SKILLS FAIR EDP-PROGRAMMING (BASIC, COBOL, RPG-II) PROBLEM

Program FSFRPG

```
DOS/VS RPGII          JOB - FSF18301   05/04/81          PROGRAM - RPGOJJ

0001  FCARDIN  IP  F    80                    SYSIPT                    FSRPG
0002  FREPORT  O  F    132     OF      PRINTERSYSLST                    FSRPG
0003  E                ARY        13  4                                FSRPG
0004  ICARDIN  EA 01                                                   FSRPG
0005  I                                        1  20 MONTH             FSRPG
0006  I                                       21  72 ARY               FSRPG
0007  I                                        1  80 REC               FSRPG
0030  OREPORT  H  201  1P                                              FSRPG
0031  O        OR      OF                                              FSRPG
0032  O                                    1 ' '                       FSRPG
0033  O        E 12    N05                                             FSRPG
0034  O                                   17 'RECIN CONTENT IS '       FSRPG
0035  O                          REC      97                           FSRPG
0036  O        E  1    05                                              FSRPG
0037  O                                    7 'DAYX = '                 FSRPG
0038  O                          DAYX      9                           FSRPG
0039  O                                   26 'TEMPERATURE-X = '        FSRPG
0040  O                          TMPX     28                           FSRPG
0041  O                                   36 'DAYN = '                 FSRPG
0042  O                          DAYX     38                           FSRPG
0043  O                                   55 'TEMPERATURE-N = '        FSRPG
0044  O                          TMPN  L  58                           FSRPG
0045  O                                   67 'TOTAL = '                FSRPG
0046  O                          TOTAL L  71                           FSRPG
0047  O                                   82 'AVERAGE = '              FSRPG
0048  O                          AVERAGL  89                           FSRPG
0049  O        T 32    LR                                              FSRPG
0050  O                                    8 'TOTAL = '                FSRPG
0051  O                          TOTAL    12                           FSRPG
0052  O        T  2    LR                                              FSRPG
0053  O                                   24 'THE AVERAGE TEMPERATURE ' FSRPG
0054  O                                   41 'FOR THE MONTH OF '       FSRPG
0055  O                          MONTHX   61                           FSRPG
0056  O                                   65 'IS '                     FSRPG
0057  O                          AVERAGL  72                           FSRPG
0058  O        T  2    LR                                              FSRPG
0059  O                          RECNT    11                           FSRPG
0060  O                                    8 'RECNT = '                FSRPG

      E N D  O F  S O U R C E
```


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SKILLS FAIR EDP-PROGRAMMING (BASIC, COBOL, RPG-II) PROBLEM

Program TEMPERAT

```
00001 REM*****************************************************************
00002 REM Program TEMPERAT   Programmer:_____________________________________
00003 REM
00004 REM Written in American National Standard (ANS) Minimal BASIC
00005 REM
00006 REM Purpose: Programming  Problem for Skills Fair: Calculate running
00007 REM            average of daily temperatures.
00009 REM*****************************************************************
00010 REM
01000 REM-------------------------------------------------------------------
01010 REM                          Initialization Section
01020 REM-------------------------------------------------------------------
01030 REM                          In lines 1070 thru 1090, put any code needed
01040 REM                           to initialize or dimension variables for
01050 REM                           this program.
01060 REM
01070
01080
01090
01100 REM                          In lines 1140 thru 1190, put the code needed
01110 REM                           to read the DATA statement below and print
01120 REM                           the header line (see output).
01130 REM
01140
01150
01160
01170
01180
01190
01200 DATA "JANUARY, 1982"
01999 REM
```

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SKILLS FAIR EDP-PROGRAMMING (BASIC, COBOL, RPG-II) PROBLEM


```
02000 REM-------------------------------------------------------------------!
02010 REM                          Input Section                             !
02020 REM-------------------------------------------------------------------!
02030 REM                          In lines 2060 thru 2090 put the code needed
02040 REM                           to read the DATA statements in lines 2200-2510
02050 REM
02060
02070
02080
02090
02200 DATA 1,20
02210 DATA 2,19
02220 DATA 3,18
02230 DATA 4,16
02240 DATA 5,15
02250 DATA 6,14
02260 DATA 7,13
02270 DATA 8,12
02280 DATA 9,10
02290 DATA 10,9
02300 DATA 11,8
02310 DATA 12,7
02320 DATA 13,6
02330 DATA 14,5
02340 DATA 15,4
02350 DATA 16,3
02360 DATA 17,2
02370 DATA 18,1
02380 DATA 19,0
02390 DATA 20,-1
02400 DATA 21,-2
02410 DATA 22,-3
02420 DATA 23,-4
02430 DATA 24,-5
02440 DATA 25,-6
02450 DATA 26,-7
02460 DATA 27,-8
02470 DATA 28,-9
02480 DATA 29,-11
02490 DATA 30,-12
02500 DATA 31,-13
02510 DATA 99,99
02999 REM
```

BEST COPY

SKILLS FAIR EDP-PROGRAMMING (BASIC, COBOL, RPG-II) PROBLEM

Program TEMPERAT

```
03000 REM-------------------------------------------------------------!
03010 REM                        Processing Section                   !
03020 REM-------------------------------------------------------------!
03030 REM                        In lines 3070 thru 3100, put the code needed
03040 REM                         to accumulate the total of the daily
03050 REM                         temperatures and calculate the running
03060 REM                         average daily temperature (see output).
03070
03080
03090
03100
03999 REM
04000 REM-------------------------------------------------------------!
04010 REM                         Output Section                      !
04020 REM-------------------------------------------------------------!
04030 REM                        In lines 4070 thru 4100, put the code needed
04040 REM                         to print out the daily temperature and the
04050 REM                         running average daily temperature as it
04060 REM                         appears on the output (see output).
04070
04080
04090
04100
04999 REM
30000 REM-------------------------------------------------------------!
30010 REM                       Conclusion Section                    !
30020 REM-------------------------------------------------------------!
30030 REM                        In lines 30070 thru 30100, put the code needed
30040 REM                         to print out the total of the daily tempera-
30050 REM                         tures and the average temperature for the
30060 REM                         month (see output).
30070
30080
30090
30100
32767 END
```

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SKILLS FAIR EDP-PROGRAMMING (BASIC, COBOL, RPG-II) PROBLEM

Program TEMPERAT


```
MONTH OF JANUARY, 1982

TEMP ON DAY 1 WAS  20 . AVERAGE TEMP ON FIRST 1 DAYS WAS 20
TEMP ON DAY 2 WAS  19 . AVERAGE TEMP ON FIRST 2 DAYS WAS 19.5
TEMP ON DAY 3 WAS  18 . AVERAGE TEMP ON FIRST 3 DAYS WAS 19
TEMP ON DAY 4 WAS  16 . AVERAGE TEMP ON FIRST 4 DAYS WAS 18.25
TEMP ON DAY 5 WAS  15 . AVERAGE TEMP ON FIRST 5 DAYS WAS 17.6
TEMP ON DAY 6 WAS  14 . AVERAGE TEMP ON FIRST 6 DAYS WAS 17
TEMP ON DAY 7 WAS  13 . AVERAGE TEMP ON FIRST 7 DAYS WAS 16.428571
TEMP ON DAY 8 WAS  12 . AVERAGE TEMP ON FIRST 8 DAYS WAS 15.875
TEMP ON DAY 9 WAS  10 . AVERAGE TEMP ON FIRST 9 DAYS WAS 15.222222
TEMP ON DAY 10 WAS  9 . AVERAGE TEMP ON FIRST 10 DAYS WAS 14.6
TEMP ON DAY 11 WAS  8 . AVERAGE TEMP ON FIRST 11 DAYS WAS 14
TEMP ON DAY 12 WAS  7 . AVERAGE TEMP ON FIRST 12 DAYS WAS 13.416667
TEMP ON DAY 13 WAS  6 . AVERAGE TEMP ON FIRST 13 DAYS WAS 12.846154
TEMP ON DAY 14 WAS  5 . AVERAGE TEMP ON FIRST 14 DAYS WAS 12.285714
TEMP ON DAY 15 WAS  4 . AVERAGE TEMP ON FIRST 15 DAYS WAS 11.733333
TEMP ON DAY 16 WAS  3 . AVERAGE TEMP ON FIRST 16 DAYS WAS 11.1875
TEMP ON DAY 17 WAS  2 . AVERAGE TEMP ON FIRST 17 DAYS WAS 10.647059
TEMP ON DAY 18 WAS  1 . AVERAGE TEMP ON FIRST 18 DAYS WAS 10.111111
TEMP ON DAY 19 WAS  0 . AVERAGE TEMP ON FIRST 19 DAYS WAS 9.578947
TEMP ON DAY 20 WAS -1 . AVERAGE TEMP ON FIRST 20 DAYS WAS 9.05
TEMP ON DAY 21 WAS -2 . AVERAGE TEMP ON FIRST 21 DAYS WAS 8.52381
TEMP ON DAY 22 WAS -3 . AVERAGE TEMP ON FIRST 22 DAYS WAS 8
TEMP ON DAY 23 WAS -4 . AVERAGE TEMP ON FIRST 23 DAYS WAS 7.478261
TEMP ON DAY 24 WAS -5 . AVERAGE TEMP ON FIRST 24 DAYS WAS 6.958333
TEMP ON DAY 25 WAS -6 . AVERAGE TEMP ON FIRST 25 DAYS WAS 6.44
TEMP ON DAY 26 WAS -7 . AVERAGE TEMP ON FIRST 26 DAYS WAS 5.923077
TEMP ON DAY 27 WAS -8 . AVERAGE TEMP ON FIRST 27 DAYS WAS 5.407407
TEMP ON DAY 28 WAS -9 . AVERAGE TEMP ON FIRST 28 DAYS WAS 4.892857
TEMP ON DAY 29 WAS -11 .AVERAGE TEMP ON FIRST 29 DAYS WAS 4.344828
TEMP ON DAY 30 WAS -12 .AVERAGE TEMP ON FIRST 30 DAYS WAS 3.8
TEMP ON DAY 31 WAS -13 .AVERAGE TEMP ON FIRST 31 DAYS WAS 3.258065

TOTAL OF DAILY TEMPERATURES = 101
AVERAGE TEMP FOR JANUARY, 1982 WAS 3.258065
```


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Business Education
Contest No. 70018
FVTI Skills Fair

PROOFREADING

Contest Description Sheet

Objectives: The participant will demonstrate his/her ability to proofread a written selection and make necessary corrections in punctuation, spelling, and language usage.

Activities: Each participant will be given a written selection to proofread. Seventy-five (75) minutes will be allowed for this contest.

Judging Criteria: The score will be based on the percentage of correct items demonstrating an application of grammar and spelling rules currently in use. A panel of instructors from the Communication Skills Department will serve as judges.

Materials Needed: The participant must have a No. 2 lead pencil and eraser.

Additional: Each participating high school will be limited to ten entrants. No participant will be admitted after the contest has begun.

Contests: Display - Set-Up on Tuesday, May 14, 1985
Judging on Wednesday, May 15, 1985
Take-Down on Thursday, May 16, 1985

Family Clothing and Textiles

For each entry, student must attach the following information: The comparable cost of the article on the retail market. Reasons for fabric choice; such as washability-care factors, seasonal adaptability, cost, etc.

Contest No.	Contest Title	Time	Location
70021	Baby/Toddler Wear	Tuesday, May 14	G121
70022	Blouses and Tops	Tuesday, May 14	G121
70023	Creative Machine Stitchery Garment	Tuesday, May 14	G121
70024	Exercise Clothing	Tuesday, May 14	G121
70025	Jumpsuits	Tuesday, May 14	G121
70026	One-piece Dress	Tuesday, May 14	G121
70027	Menswear	Tuesday, May 14	G121
70028	Outerwear (coats and jackets)	Tuesday, May 14	G121
70029	Sleepwear	Tuesday, May 14	G121
70030	Suits (pants suit,	Tuesday, May 14	G121
	dress & jacket	Tuesday, May 14	G121
	skirt & jacket)	Tuesday, May 14	G121
70031	Slacks	Tuesday, May 14	G121
70032	Skirts	Tuesday, May 14	G121

Home Accessories

Contest No.	Contest Title	Time	Location
70033	Hooked Wall Hangings/ Pillows/Rugs	Tuesday, May 14	G121
70035	Machine Applique Projects	Tuesday, May 14	G121
70036	Quilts	Tuesday, May 14	G121
70037	Children's Fabric Toys	Tuesday, May 14	G121
70038	Counted Cross-stitch Projects	Tuesday, May 14	G121
70039	Crewel Projects	Tuesday, May 14	G121
70040	Crochet Projects	Tuesday, May 14	G121
70041	Embroidery Projects	Tuesday, May 14	G121
70042	Knit Projects	Tuesday, May 14	G121
70043	Macrame Projects	Tuesday, May 14	G121
70044	Needlepoint Projects	Tuesday, May 14	G121
70045	Miscellaneous Accessories (such as bedspreads, placemats, window treatments, etc.)	Tuesday, May 14	G121

Hospitality/Culinary Arts

Food items will be judged Thursday, May 16. Please bring in items by 9:00 a.m. For perishable items, please bring in Thursday morning. Items can be picked up at approximately 2:00 p.m.

Contest No.	Contest Title	Time	Location
	Food Arrangements	Thursday, May 16	E120
70047	*Sculpture	9:00 a.m.	
70048	*Cold Buffet		
70049	*Pastry, Bakery, Confectionery, Bread		

*Sculpture: includes items made from butter, tallow, ice, etc.
*Cold Buffet: includes items such as hors d'oeurves, meat, fish, etc., canapes, vegetables, fruit displays.

Contests: Live Skill Tests - Thursday, May 16, 1985

Contest No.	Contest Title	Time	Location
70050	*Food Preparation Demonstration (15-17 min.)	Thursday, May 16 9:30 a.m.	E112
70051	Interior Design (20 students maximum)	Thursday, May 16 10:30 a.m.	A131

Registration Deadline

Registration forms must be submitted to FVTI, Appleton, Attention: Skills Fair by Tuesday, April 30, 1985. Please review the information provided in the "General Information" section of this booklet (Page 1).

Home & Consumer Sciences
Contest Information
FVTI Skills Fair

General Information

It is essential all entries have a Skills Fair identification tag. Identification tags will be supplied with registration forms and must be affixed to project by Tuesday, May 14. (See **"General Information"** section of this booklet, Page 1.)

The **Family Clothing and Textiles** and the **Home Accessories** include displays and projects. See Rating Sheet on page 38 and 39. If kits are used for any of the **Home Accessories** projects, that information should be noted on the identification tag. Entry tag must indicate whether or not item is from a kit. Simply write, "Kit - Yes" or "Kit - No" on the tag. For clothing contests, students must answer the questions listed with the contests.

The **Hospitality/Culinary Arts** contest is a food arrangement contest with three entry areas. These will be judged Thursday, May 16, at 9:00 a.m. in Room E120. Articles need to be in place by 9:00 a.m. If an item needs to be brought in earlier than Thursday, contact Marilyn Loberg, (414) 735-5638. See rating sheet, page 40.

The two live contests are **Food Preparation** and **Interior Design**. Both contests occur on Thursday, May 16. See contest descriptions on pages 41 and 43 and rating sheets on pages 42 and 44.

Judging

Judging is completed by a panel of professionals in each of the specific areas of competence. Although specific evaluation criteria will be used for each entry, general considerations in judging include general appearance, neatness, and accuracy in completion of projects. Entries will be judged on Wednesday, May 15, from 8:00 a.m. to 4:00 p.m. Live food demonstrations will be judged Thursday, May 16, at 9:30 a.m. The Interior Design Live Contest will be judged Thursday at 10:30 a.m.

Display

Plans are being made to display all entries as attractively as possible for an open house at Fox Valley Technical Institute. Set-up time is from 3:00 p.m. to 7:00 p.m., Tuesday, May 14, 1985. Open house is Wednesday, May 15, from 4:00 p.m. to 8:00 p.m. Pick up displays on Thursday, May 16, from 3:00 p.m. to 5:00 p.m.

For More information

If you have any questions about the Skills Fair in the Home & Consumer Science area, please contact Marilyn Loberg, Coordinator, at (414) 735-5638.

Home & Consumer Sciences
Contest No. 70021-70032
FVTI Skills Fair

E - EXCELLENT
VG - VERY GOOD
G - GOOD
F - FAIR

FAMILY CLOTHING AND TEXTILES CONTESTS
RATING SHEET

Complete one sheet for each entry.

Contest Number_____ Title of Contest_____

Contestant Number_____ Contestant Name_____

CRITERIA	E	VG	G	F	P	COMMENTS
Overall Appearance						
Creativity and Originality						
Suitability of Materials						
Workmanship						

CHECKLIST

CRITERIA	E	VG	G	F	P	COMMENTS
Seams						
Zipper						
Pressings						
Sleeves						
Hemmings						
Collar/Cuffs/ Facings						
Buttonholes/ Fasteners						
Waistbands						
Trim						
Other (please indicate)						

Point Criteria

Scholarship - 10
1st Place/Very Good - 9, 8
2nd Place/Good - 7, 6
3rd Place/Fair - 5, 4

Home & Consumer Sciences
Contest No. 70033,
70035-70045
FVTI Skills Fair

E - EXCELLENT
VG - VERY GOOD
G - GOOD
F - FAIR

HOME ACCESSORIES CONTESTS
RATING SHEET

Complete one sheet for each entry

Contest Number_____ Title of Contest_____

Contestant Number_____ Contestant Name_____

CRITERIA	E	VG	G	F	P	COMMENTS
Overall Appearance						
Creativity and Originality						
Suitability of Materials						
Overall Workmanship						
Interpretation of. Principles of Design (color, line, texture, form)						

Additional Specific Comments on Project:

_____

_____

_____

_____

_____

Point Criteria
Scholarship - 10
1st Place/Very Good - 9, 8
2nd Place/Good - 7, 6
3rd Place/Fair - 5, 4

Home & Consumer Sciences
Contest No. 70047-70049
FVTI Skills Fair

E - EXCELLENT
VG - VERY GOOD
G - GOOD
F - FAIR

HOSPITALITY/CULINARY ARTS CONTESTS
RATING SHEET

Complete one sheet for each entry.

Contest Number_____ Title of Contest_____

Contestant Number_____ Contestant Name_____

CRITERIA	E	VG	G	F	P	COMMENTS
Overall Appearance						
Creativity/ Workmanship						
Uses Principles of Line, Color, and Design (food arrangements and restaurant layout contests)						
Accurate/ Appropriate						

Point Criteria
Scholarship - 10
1st Place/Very Good - 9, 8
2nd Place/Good - 7, 6
3rd Place/Fair - 5, 4

FOOD PREPARATION DEMONSTRATION

Contest Description Sheet

Objectives: To plan, organize and present a 15-17 minute program demonstrating food preparation around nutrition or consumer/energy education theme.

Activities:

1. The demonstration shall be fifteen (15) to seventeen (17) minutes in length.
2. Time will be started when demonstration begins.
3. A watch or clock may be used by contestant.
4. The contestant will be called by number without mention of name or high school.
5. Observers will be allowed to sit in the audience of the demonstration room where space allows. No talking or gesturing will be permitted.

Judging Criteria: Judging will be done by a team of professionals on staff at FVTI or area home economics-related professions. See rating sheet that follows.

Special Preparations:

1. Students need to supply own appliances and all necessary supplies. If you have questions, please contact Marilyn Loberg, Coordinator, FVTI, (414) 735-5638.
2. The demonstration will take place on Thursday, May 16, between 9:30 a.m. and 1:00 p.m. Students will be notified of exact time. Please indicate on registration form if there is a time student cannot come.

Suggested Topics: Comparison shopping ideas of prepared mixes versus from scratch.

Nutritional value of a salad, etc.

Wise snacking hints.

Home & Consumer Sciences
Contest No. 70050
FVTI Skills Fair

E - EXCELLENT
VG - VERY GOOD
G - GOOD
F - FAIR

FOOD PREPARATION /LIVE CONTEST
RATING SHEET

Complete one sheet for each entry.

Contestant Number_____ Contestant Name_____

CRITERIA	E	VG	G	F	P	COMMENTS
Introduction Summary						
Poise/Appearance						
Proper Length, Organization, and Demonstration Technique						
Educational Value and Accuracy						
Use of Visuals						

COMMENTS:

Point Criteria
Scholarship - 10
1st Place/Very Good - 9, 8
2nd Place/Good - 7, 6
3rd Place/Fair - 5, 4

Home & Consumer Science
Contest No. 70051
FVTI Skills Fair

INTERIOR DESIGN

Contest Description Sheet

Objective: To give contestants the opportunity to demonstrate color coordination, taste, and material selection in determining a color scheme for interior design.

Activities: Contestants will be given a selected room in a home and will then develop a color scheme for that room.

Contestants will select samples of carpeting or flooring, upholstery, wallcovering, and window treatments. The contestant will mount samples on a board provided and label samples as to usage in the room.

Contestants will complete one color scheme in a one-hour period: neutral, accented neutral, monochromatic, analogous or complementary.

Materials Needed: The following materials will be provided: tagboard, rubber cement, and all samples/materials needed (e.g., wallpaper, carpeting, upholstery, flooring, window treatments.)

Special Preparations: Basic knowledge of color schemes and coordination used in interior design.

Note: A maximum of 20 students will be enrolled in this contest.

If students would like to have their project following the contest, they must be picked up by June 1, 1985. They may be picked up in the FVTI Public Information Office.

For questions about this contest, please contact Joan Rolfs, at (414) 735-2419.

INTERIOR DESIGN LIVE CONTEST
RATING SHEET

Complete one sheet for each entry. Contest #_____

Contestant Number_____ Contestant Name _____

CRITERIA	Excellent	Good	Fair
Scheme labeled correctly			
Samples mounted properly			
Color coordination			
Material selection in good taste for formal or informal living room			
Total scheme appearance and presentation			

COMMENTS:

MARKETING

Contests: Thursday, May 16, 1985

Contest No.	Contest Title	Time	Location
70089	Advertising Layout	9:30 a.m.	A131
70090	Management Decision Making	9:30 a.m.	B122
70008	Display Construction	9:30 a.m.	B109
70092	Fashion Merchandising Event	9:30 a.m.	A128
70093	Real Estate	9:30 a.m.	B148

Individual contest description sheets are included in this booklet immediately following this page.

Registration Deadline

Registration forms must be submitted to FVTI, Appleton, Attention: Skills Fair, by Tuesday, April 30, 1985. Please review the information provided in the "General Information" section of this booklet (Page 1).

Judging and Awards

FVTI staff members and members of the Fox Valley business community will judge and help monitor the contests.

For More Information

If you have any questions about the Skills Fair in the Marketing area, please call Nancy Wittrock at (414) 735-5082.

Marketing
Contest No. 70089
FVTI Skills Fair

ADVERTISING LAYOUT

Contest Description Sheet

Objectives: The participant will demonstrate his/her ability to plan and write an advertisement for a service or product.

Activities: The student will have one hour to prepare a newspaper advertisement which will include:

1. copy
2. headline
3. Illustrations
4. selling points
5. logo
6. signature cut

The participant will be given mechanical requirements, budget figures, and the ad condition for your layout. All participants will have the same information.

Judging Criteria: Refer to the Contest Rating Sheet for this contest.

Materials Needed:
Pencils (No. 2 lead or softer)
Soft eraser
Scissors
One bottle of glue, paste, or rubber cement--waxer provided
Dictionary or 20,000 Words is permissible

Special Preparations: The student should know the necessary competencies needed to produce a timely advertisement. The contestant can study newspaper ads and be familiar with six-column ad layout sheets. Clip-art will be provided in the contest area to supplement the student's drawing.

Marketing
Contest No. 70089
FVTI Skills Fair

ADVERTISING LAYOUT
RATING SHEET

Contestant Number_____ Contestant Name_____

	Possible Points	Points Earned
Illustration		
Arrangement-Balance-Proportion	10	_____
Movement-(eye-movement, direction and thought)	5	_____
Use of contrasts (shapes, size, color, etc.)	5	_____
Unity of design	5	_____
Effective use of logo	5	_____
Headline		
Placement	5	_____
Ability to attract attention (curiosity, newness)	10	_____
Copy		
Grammar, sentence structure, spelling	10	_____
Communication of facts (price, hours, location)	10	_____
Reinforcement of headline message	5	_____
Overall		
Neatness and effectiveness	10	_____
Is ad "in character" for store it represents	5	_____
Selling ability - a benefit/emotion as inducement to buy	15	_____
TOTAL POINTS	_____	_____

MANAGEMENT DECISION MAKING

Contest Description Sheet

Objectives: To give contestants the opportunity to demonstrate their problem analysis and decision-making ability.

Activities: When given a case study, students will prepare a written statement regarding problem analysis. They will then write their decision as to the objectives of decisions, alternative solutions or actions necessary, consider each alternative as to whether it satisfies the decision-making objectives, and choose the alternative or the combination of alternatives best able to achieve the objectives and minimize any adverse consequences. Contestants will orally justify their decisions.

Forty (40) minutes will be allowed to complete the case study. Ten (10) minutes will be allowed for judges to read each case study, and ten (10) minutes for presentations and questions.

Judging Criteria: Refer to the Contest Rating Sheet for this contest.

Materials Needed: Paper, pen or pencil

Special Preparations: An understanding of human relations problems in the business world and a rational approach to analyzing these problems and making effective decisions.

Marketing
Contest No. 70090
FVTI Skills Fair

MANAGEMENT DECISION MAKING
RATING SHEET

Contestant's Name_____

Contestant's School_____

Score as follows:

Superior - 11 points
Very Good - 9 points
Adequate - 4 points
Missed - 0 points

Judge's Score

A. Problem Analysis:

_____ 1. Recognize problem area.
_____ 2. Describe problem specifically.
_____ 3. Describe the **effects** of the problem.
_____ 4. Describe the **causes** of the problem.

B. Decision Making:

_____ 1. Describe the objectives of the decision.
_____ 2. List the alternative solutions or actions available.
_____ 3. Consider each alternative for future possible adverse consequences.
_____ 4. Consider each alternative as to whether it satisfies your decision-making objectives.
_____ 5. Choose the alternative or combination of alternatives best able to achieve your objectives and minimize any adverse consequences.

_____ TOTAL SCORE

Marketing
Contest No. 70008
FVTI Skills Fair

DISPLAY CONSTRUCTION

Contest Description Sheet

Objectives: The participants, working in groups, will demonstrate ability to use the principles of display construction and techniques and practices in visual merchandising by construction of a free standing display using the following guidelines:

Activities: Participants will be given a 4' x 8' area in which to construct a display. Displays must not exceed this area. Maximum height of the display is limited to 8'. The display must be free standing; no walls in the contest area will be used. If you desire a background, it must be self supporting. A limited number of electrical outlets will be available. Indicate on your registration if electricity is needed. Outlets will be assigned in the order in which registrations are received. Battery operated materials will be allowed.

The time allowed for the contest is two hours. Students will be expected to be able to set up their display in that time. Students may pick up displays between 1:30 p.m. and 4:00 p.m. on Thursday, May 16.

The display contest is open to one or more students who have an interest in visual merchandising. Maximum limit on student number is four per group. Two displays will be accepted from each school. The same students may not work on both displays from the same school. Two displays are not required from a school.

If a grand prize is awarded to a team, a scholarship amount of $150 will be divided equally among the winning team members.

Judging Criteria: Refer to the Contest Rating Sheet for this contest.

Materials Needed: Participants must furnish all materials needed to construct a display. The display may promote any hard good, or soft good, or service. Materials include: merchandise, props, background materials, pins, clips, lights, etc., mannequins, signs, etc.

Special Preparations: It is suggested that the students be ready to construct their display when they arrive at the FVTI display competition area. Set up for displays will be Thursday, May 16, 1985, from 9:30 a.m. to 12:00 p.m. in Room B108. Advanced preparation might include construction of the display in advance at the home school. A definite theme should be used for the display area.

Marketing
Contest No. 70008
FVTI Skills Fair

DISPLAY CONSTRUCTION
RATING SHEET

Directions: The questions under each of the seven areas of evaluation are to be used as a guide in determining the actual points the Display scores in that particular area. Each of the Displays has 100 possible points.

1. POWER TO ATTRACT ATTENTION (Possible 20 points)---------- _____
   Is there something moving in the window? Is background appropriate? Is theme or idea clever? Is theme or idea well executed? Are display props suitable and attractive? Is floor appropriate to display?

2. ARRANGEMENT (Possible 20 points)---------- _____
   Does window reflect the character of the store? Is there a proper amount of merchandise in the window? Is related merchandise used? Are appropriate "dealer helps" or show cards used? Do major items within a unit point to the next? Does the window make use of several vantage points?

3. CLEANLINESS (Possible 10 points)---------- _____
   Is window glass clean? Is clothing (if displayed) clean and well pressed? Are forms and fixtures clean and in good repair? Is floor clean? Is background clean and fresh? Are valances or frames clean? Are painted or colored surfaces fresh and clean? Is ceiling clean?

4. TIMELINESS (Possible 10 points)---------- _____
   Is merchandise well chose? Are colors in the window appropriate for season and merchandise? Is the theme right for the season and merchandise? Are "dealer helps" or show cards related to the season?

5. SELLING POWER (Possible 20 points)---------- _____
   Do display props focus attention on merchandise, but not detract from it? Are merchandise features clearly shown? Does special lighting emphasize most important merchandise? Do show cards bring out important selling points of the merchandise? Does the theme aid the features of the merchandise in the window? Is it possible to find and concentrate on most important item? Is merchandise displayed as it would be used?

6. LIGHTING (Possible 5 points)---------- _____
   Does lighting enhance the colors used in the window? Is lighting equipment adequate? Are lighting fixtures clean? Does lighting focus attention on merchandise rather than detract from it?

7. TECHNICAL EXCELLENCE (Possible 15 points)---------- _____
   Is there a unique use of some common items such as chicken wire, pipe, string, etc.? Does arrangement of merchandise add to appearance of the merchandise? Is the merchandise well folded, draped, placed, or suspended? Do such drapings, foldings, and placements add to the merchandise?

TOTALS _____

Marketing
Contest No. 70092
FVTI Skills Fair

FASHION MERCHANDISING

Contest Description Sheet

Objectives: To give contestants the opportunity to demonstrate their ability using fashion terminology, coordination of apparel, budgeting skills, and mathematical ability.

Activities: Contestants will be given a lifestyle for a man or woman and a stipulated dollar amount to spend for a wardrobe.

Given this information the contestant will create a wardrobe by cutting pictures of selected apparel from a catalog and mount these pictures on paper.

The contestant will write a short description of the wardrobe using proper fashion terms.

The contestant will also show an itemized listing of the amount of money spent to create the wardrobe.

Contestants will have 45 minutes to complete this event.

Materials Needed: One apparel catalog (example: J. C. Penney or Sears); scissors; glue; paper; pen or pencil.

Special Preparations: Secure the necessary materials in advance and bring to the contest room.

Basic knowledge of wardrobe planning and fashion terminology.

Marketing
Contest No. 70093
FVTI Skills Fair

REAL ESTATE

Contest Description Sheet

Objectives: Rather than test a particular knowledge and skills this contest is designed to be a learning experience. The student will have his recall tested on a slide presentation of exterior house styles.

Activities: The contestants will observe a slide presentation of popular U. S. house styles. The narration will be done by Henry Harrison author of **Houses**. After the presentation the contestants will be given a test. They will be required to identify various house styles from slides similar to the ones which were covered during the presentation.

Judging Criteria: The test will be scored on a percentage of correct answers. The members of the Real Estate Department will make final decisions on the winner.

Materials Needed: The contestant is to supply his/her own pencil or ballpoint pen. Test paper will be provided.

Special Preparations: The student should have an interest in houses and real estate, although no previous real estate knowledge is necessary. They should also read material on exterior styles of houses.

NATURAL RESOURCES

Contests: Tuesday - Thursday, May 14-16

Contest No.	Contest Title	Time	Location
70011	Land Judging Skills	Thursday, May 16 9:30 a.m.	H117
70005	Natural Resources Skills	Tuesday, May 14 Thursday, May 16 11:00 a.m.	G121 B148

Individual contest description sheets are included in this booklet immediately following this page.

Registration Deadline

Registration forms must be submitted to FVTI, Appleton, Attention: Skills Fair, by Tuesday, April 30, 1985. Please review the information provided in the "General Information" section of this booklet (Page 1).

For More Information

If you have any questions about the Skills Fair in the Natural Resource area, call Steve Schneider, Natural Resources Instructor-Coordinator, (414) 735-6268.

Natural Resources
Contest No. 70011
FVTI Skills Fair

LAND JUDGING SKILLS

Contest Description Sheet

Objectives: To demonstrate the participant's ability to evaluate different types of soil.

Participation: Participation is open to high school vocational agriculture, conservation, or natural resource students (grades 9-12). All participation is on an individual basis (no team event). Each vo-ag department or natural resource department may register a maximum of eight (8) students, and no previous state land judging contestants are eligible.

The scoresheet used in the contest may be found on pages 12-14 in the circular, **How Good is Your Land?** A-1222, published by the Board of Soil and Water Conservation District, 1815 University Avenue, Madison, WI 53706.

Students receive exposure to the land judging through a practice pit and then will be allowed ten minutes per judging site for the contest. Four sites will be judged. Students will assemble at FVTI-Appleton on Thursday, May 16, 1985, at 9:30 a.m. in the Agricultural Mechanics Shop Building, H117.

Materials Needed: Equipment allowed for the contest is a water bottle, jackknife, and soft lead pencil.

Judging Criteria: Official judges are provided by the local Soil Conservation Service, University of Wisconsin-Extension office and other agencies.

NATURAL RESOURCES SKILLS

Overview

The Natural Resources skills activities will consist of seven (7) separate portions. Each section is described and specifics given on the following description sheets. Six of the seven activities will be timed and cover approximately 2 to 2½ hours to complete. The seventh activity is the Natural History Interpretation Display and must be set up at FVTI on Tuesday, May 16, 1985.

Participation will be limited to 30 entrants on a first come-first serve basis.

Awards will be presented to the top 5 ranked scores. Certificates of participation will be presented to all entrants.

NATURAL RESOURCES SKILLS

Wildlife Identification Skills

Contest Description Sheet

Objectives: To evaluate the student's ability to identify Wisconsin wildlife species.

Activities: The student will be asked to identify pictures of wildlife as presented on wall boards and charts in the following groups:

1. Hawks and owls
2. Mammals
3. Water fowl
4. Song birds
5. Reptiles and amphibians

Contestants will be allowed 20 minutes to complete the test.

Judging Criteria: Judging will be based on the number of correct responses.

Materials Needed: No reference materials will be allowed.
Answer sheets will be supplied.

NATURAL RESOURCES SKILLS

Wisconsin Tree and Shrub Identification

Contest Description Sheet

Objectives: To determine the student's ability to identify native tree and shrub species.

Activities: The contestant will be presented with thirty (30) specimens for identification. Most specimens will include leaves, twigs, and fruits where possible. Both dried specimen cards and fresh cuttings will be used. Single leaves and fruits will also be used at various stations to test the ability of the contestants in identifying the most common species. Contestants will be allowed 20 minutes to complete the event.

Judging Criteria: Identifications will be scored on acceptable common names as listed in the "Textbook of Dendrology." Spelling must also be accurate.

Materials Needed:
Pencil
Soft eraser

NATURAL RESOURCES SKILLS

Basic Ecology Testing

Contest Description Sheet

Objectives: To test the participant's level of understanding of basic ecological principles and terminology.

Activities: The participant will have a maximum of 20 minutes to complete a thirty-question objective examination.

Judging Criteria: Scores will be calculated on the basis of percentage correct answers.

Materials Needed:
Pencils
Soft eraser

Special Preparations: Students should have studied basic ecology in a biology, ecology, or conservation oriented class. This criteria is not necessary but will be highly beneficial.

NATURAL RESOURCES SKILLS

Pacing and Bearing Readings

Contest Description Sheet

Objectives: To evaluate the participants basic pacing and bearing readings skills.

Activities: This event will consist of a number of horizontal distances along with the bearing of the lines.

The participants will check their pace length with a 100-foot tape.

The participant will then pace the horizontal distances. The participant will also determine the magnetic bearing of the line paced.

Judging Criteria: Judging will be based on a point system. The greater the accuracy of pacing and bearing readings, the higher the total points. Official judges will be from the FVTI Natural Resource program staff.

Materials Needed: Pencil; compasses and chains will be provided.

NATURAL RESOURCES SKILLS

Hand Soil Texturing

Contest Description Sheet

Objectives: To evaluate the participant's ability to identify soil textures by the "Feel (Hand) Method."

Activities: The participant will be given five (5) field samples to determine the soil texture. The participant will be given 20 minutes to complete this event.

Judging Criteria: Soil textures will be based on the 12 standard USDA soil textures. (Texture Triangle)

Materials Needed:
Pencil
Water bottles will be provided.

Natural Resources
Contest No. 70005
FVTI Skills Fair

NATURAL RESOURCES SKILLS

Water Quality

Contest Description Sheet

Objectives: To demonstrate participant's ability to analyze a water sample for dissolved oxygen (Winkler Method) and correctly report the results in milligrams per liter.

Activities: Each participant will be given a B.O.D. bottle containing a prefixed water sample to be analyzed, a buret tube and the necessary reagent. They will titrate this sample to the endpoint using sodium thiosulfate, following the proper procedures. Each participant will submit the final titrated sample, the titration data in written form and the final D.O. calculated in mg./L. Time Limit: 15 minutes.

Judging Criteria: Participants will be awarded points based upon the color of the endpoint from their titration, the accuracy of the D.O. calculation, and the ability to complete the test within the time limits.

NATURAL RESOURCES SKILLS

Natural History Interpretation Display

Contest Description Sheet

Objectives: To design, construct, and display an interpretive device-diorama, model, bulletin board, artifacts, etc.--which portray or demonstrates an ecological, geological, or historical theme.

Participation: Open to all 9-12 grade students.

Materials Needed: Variable to each device and to the needs and abilities of each entrant.

Judging Criteria: Judging of the interpretive devices will be a two-step process:

1. Visitor evaluation of all displayed to determine the top ten (10) standing.
2. Evaluation of the top ten (10) by the natural resource staff of FVTI to determine first, second, and third place.

Special Notes:

1. Principles of Interpretation, p. 64.
2. All judging will be based on the evaluation form on p. 65.
3. All displays must be set up at FVTI on Tuesday, May 14, 1985.

PRINCIPLES OF INTERPRETATION

Noted author, Freeman Tilden, defined interpretation as:

> "An educational activity which aims to reveal meanings and relationships through the use of original objects by first-hand experience and by illustrative media rather than simply to communicate factual information."

From this Mr. Tilden formulates six principles:

1. Interpretation should be related to the visitor's background or experience.
2. Interpretation is more than information. It is revelation based on information.
3. Interpretation is an art - the art of communication - regardless of its form or materials.
4. The chief aim of interpretation is stimulation.
5. Interpretation should present a whole or complete picture through sum total of its parts.
6. Interpretation is best when developed to fit an individual group, age, level, or educational background.

Natural Resources
Contest No. 70005
FVTI Skills Fair

INTERPRETIVE DISPLAY EVALUATION

Name _____ Total Points 200 Points _____

1. Set up on Display.....(10) _____
2. Material Selection....(20) _____
3. Workmanship.....(25) _____
4. Written Material
   - Title.....(5) _____
   - Labels.....(5) _____
   - Message.....(5) _____
   - Readability.....(10) _____
   - Size-style.....(5) _____
   - Spelling.....(5) _____
   - Sentence Structure..(5) _____
   - Total (95) _____
5. Design Criteria
   - Appeal/Attention.....(10) _____
   - Layout.....(10) _____
   - Flow.....(5) _____
   - Color.....(5) _____
   - Backing/Background.....(5) _____
   - Mounting.....(5) _____
   - Size/Proportions.....(5) _____
   - Lighting.....(5) _____
6. Interpretive Principles..(15) _____
7. Continuity.....(20) _____
8. Overall Quality.....(20) _____

Total (105) _____

Contests: Display - Set-Up on Tuesday, May 14
Judging on Wednesday, May 15
Take-Down on Thursday, May 16

The Trades and Industry display competition includes the following areas: drafting, foundry, machine work, woods, metals and automotive. Through these displays, the high school student has the opportunity to receive recognition for work well done and a chance to exhibit the technical skills she/he has gained. These categories give a student the opportunity to enter a variety of events.

Projects may be entered in no more than one of the areas listed to be considered for awards. All projects should be placed in the most favorable pose for viewing. Only judges will be allowed to touch or examine projects. Students may wish to include the plans, bills of material, or some important intermediate steps to the finished product with their displays (please use discretion in submitting this material).

Individual contest titles and numbers are listed on the following pages.

Contests: Live Skill Tests on Thursday, May 16

In addition to the display competition, Trades and Industry will also conduct various live skill tests in the areas of Welding, Machine Shop, and Automotive. Each high school will be allowed to enter three students in each live skill test area, unless otherwise noted in the test information.

Skills tests will be conducted according to specific rules. Each test is described on an information sheet found in this Trades and Industry section. Listed are the materials to be used, length of completion, conditions to be expected, materials the student will be expected to furnish, and judging criteria that will be used.

All live contests will begin at 9:30 a.m., Thursday, May 16, 1985.

Individual contest titles, numbers and locations are listed on the pages that follow.

Registration Deadline

Registration forms must be submitted to FVTI, Appleton; Attention: Skills Fair, by Tuesday, April 30, 1985. Please review the information provided in the "**General Information**" section of this booklet (Page 1).

Judging and Awards

The panels of judges that will be judging the displayed items will be selected from industry and will represent the trades and skill areas that are on display. Judges will rate projects using several of the following evaluation categories: design of product, usefulness, appearance, the finish, accuracy, construction techniques, utilization of materials, originality, cost of product, etc. Judges will employ a numerical rating sheet that has been developed for the specific area of competition.

For More Information

If you have any questions about the Skills Fair in the Trades and Industry Division, call Ronald Zenke, Trade and Industry Coordinator, at (414) 735-5777.

Trades & Industry
Contest Numbers and Titles
FVTI Skills Fair

Display Contests - Set-Up on Tuesday, May 14, 1985
Judging on Wednesday, May 15, 1985
Take-Down on Thursday, May 16, 1985

Drafting - Architectural (Must include floor plan, foundation plan, and one elevation plan)

Contest No.	Contest Title	Location
70105	A residence 1,200-2,000 sq. ft. of living area	G121
70106	A residence over 2,000 sq. ft. of living area	G121
70107	Energy efficient residence (solar, earth, etc.)	G121
70109	Rendering and Perspectives (in black and white)	G121

Drafting - Mechanical (Students entering prints in more than one contest must furnish duplicate prints.)

Contest No.	Contest Title	Location
70110	Working Drawings (detail)	G121
70111	Technical Illustration	G121
70112	Sectional Drawings	G121
70113	Pictorial Drawings	G121

Foundry -

Contest No.	Contest Title	Location
70114	Pattern	G121
70115	Sand casting (Pattern made by the student, displayed with casting.)	G121
70116	Casting finished	G121

Machine Work - (Must include blueprint of project)

Contest No.	Contest Title	Location
70119	Lathe work	G121
70120	Machining of casting	G121
70121	Machine tool project with multiple parts	G121

Sheet Metal - (Must include blueprint of project)

Contest No.	Contest Title	Location
70122	Complete developments (elbow, T's, etc.)	G121
70123	Sheet metal functional projects (funnels, tool-boxes, cabinets, etc.)	G121
70124	Ornamental functional projects (bird feeders, yard light, roof ornament)	G121

Welding - (Must include blueprint of project)

Contest No.	Contest Title	Location
70125	Electric Welding Functional	G121

Wood Technics - Cabinet/Furniture Making (Working drawing to be included with each project)

Contest No.	Contest Title	Location
70126	*0 - $15.00, Grade 9-10	G121
70127	*0 - $15.00, Grade 11-12	G121
70128	*$15.00 - $50.00, Grade 9-10	G121
70129	*$15.00 - $50.00, Grade 11-12	G121
70130	*$50.00+, Grade 9-10	G121
70131	*$50.00+, Grade 11-12	G121

*Based on retail lumber and hardware costs for total project.

Wood Turnings - (Lamps will be judged without shades.)

Contest No.	Contest Title	Location
70132	Face Pate (with plans)	G121
70133	Spindle (with plans)	G121
70134	Face Plate (free turned without plans)	G121
70135	Spindle (free turned without plans)	G121

Model Building -

Contest No.	Contest Title	Location
70136	Architectural	G121

Live Contests: Thursday, May 16, 1985

Welding -

Contest No.	Contest Title	Location
70137	Welding of flat specimen	F137

Machine Shop Work -

Contest No.	Contest Title	Location
70138	Layout of flat plate from blueprint, answer test questions, and perform basic machine tool operations.	F132

Automotive -

Contest No.	Contest Title	Location
70139	Answer questions on written test, identify various parts of auto assemblies and conduct troubleshooting test using test equipment.	F138

ARCHITECTURAL DRAFTING
RATING SHEET

Participant Identification _____

CRITERIA	MAXIMUM POINTS	POINTS JUDGED
Design Concept	50	
Plan Function	50	
Accuracy & Neatness	30	
Line Quality	30	
Lettering	20	
Dimensioning	20	
TOTAL POSSIBLE POINTS		
TOTAL POINTS EARNED		

Trades & Industry
Contest No. 70110-70113
FVTI Skills Fair

E - EXCELLENT
VG - VERY GOOD
G - GOOD
F - FAIR

MECHANICAL DRAFTING
RATING SHEET

Participant Identification _____

CRITERIA	E	VG	G	F	P	POINTS JUDGED
View Selection	50	25	20	15	10	
Solution to Problem (completeness)	30	25	20	15	10	
Reproductability	25	20	15	10	5	
Lettering	10	8	6	4	2	
Line Work	15	12	9	6	3	
Neatness	25	20	15	10	5	
Accuracy	30	25	20	15	10	
Dimensions	25	20	15	10	5	
Use of Symbols	10	8	6	4	2	
TOTAL POSSIBLE POINTS	220	176	132	88	44	
TOTAL POINTS						

Trades & Industry
Contest No. 70114-70116
FVTI Skills Fair

E - EXCELLENT
VG - VERY GOOD
G - GOOD
F - FAIR

FOUNDRY
RATING SHEET

Participant Identification _____

CRITERIA	E	VG	G	F	P	POINTS JUDGED
Dimensions Draft & shrink allowance Meets prints specs Geometry is correct (flatness, roundness, parallelism, etc.)	30	25	20	15	10	
Finish (Pattern) Smooth Radii blended Color coded if necessary	20	15	10	5	0	
Complexity of Design Flatback. Multi-piece.	30	25	20	15	10	
Casting Unfinished Minimum of defects	25	20	15	10	5	
Casting Finished After cleaning and removal of gating	30	25	20	15	10	
TOTAL POSSIBLE POINTS	135	110	85	60	35	
TOTAL POINTS						

Trades & Industry
Contest No. 70119-70121
FVTI Skills Fair

E - EXCELLENT
VG - VERY GOOD
G - GOOD
F - FAIR

MACHINE WORK
RATING SHEET

Participant Identification _____

CRITERIA	E	VG	G	F	P	POINTS JUDGED
Dimensions Whatever is applicable from the following: Flatness, straightness, angularity, perpendicularity, parallelism roundness, cylindricity, concentricity, symmetry, and tolerence.	40	35	30	25	20	
Workmanship Whatever is applicable from the following. Finish, alignment, deburring, parts fitting together and marking.	40	35	30	25	20	
Problem Solution Whatever is applicable from the following: Good design, does it do the job and is it functional.	20	18	15	13	10	
TOTAL POSSIBLE POINTS	100	88	75	63	50	
TOTAL POINTS						

Trades & Industry
Contest No. 70122-70125
FVTI Skills Fair

E - EXCELLENT
VG - VERY GOOD
G - GOOD
F - FAIR

SHEET METAL/WELDING
RATING SHEET

Participant Identification _____

CRITERIA	E	VG	G	F	P	POINTS JUDGED
Solution to Problem	10	8	6	4	2	
Bead Confirmation (Under cutting - Size)	10	8	6	4	2	
Material Selection Width-Thickness-Type	10	8	6	4	2	
Layout and Fabrication	10	8	6	4	2	
Functional Design	10	8	6	4	2	
TOTAL POSSIBLE POINTS	50	40	30	20	10	
TOTAL POINTS						

Trades & Industry
Contest No. 70126-70131
FVTI Skills Fair

WOOD TECHNICS
RATING SHEET

Participant Identification _____

CRITERIA	MAXIMUM POINTS	POINTS JUDGED
Skills (Total Points 85) Quality of Workmanship as expressed by: Accurate cutting and assembly	10	
Proper use of fasteners	10	
Adherence to sound principles of fabrication	10	
Difficulty of construction or number of skills and operations involved	25	
Preparation of surface, and application of a suitable finish.	20	
Judges optional criteria	10	
General Characteristics (Total Points 50) Attractive and well-proportioned	10	
Originality	10	
Can serve the purpose for which it is intended	10	
Proper selection of material according to use.	10	
Judges optional criteria	10	
TOTAL POSSIBLE POINTS	135	
TOTAL POINTS EARNED		

WOOD TURNINGS
RATING SHEET

Participant Identification _____

CRITERIA	MAXIMUM JUDGED	POINTS
Skills (Total Points 50) Quality of Workmanship as expressed by: Accurate cutting and assembly	20	
Difficulty of turning or number of skills and operations involved.	10	
Preparation of surface, and application of suitable finish.	10	
Judges optional criteria	10	
General Characteristics (Total Points 50) Attractive and well-proportioned	10	
Originality	10	
Can serve the purpose for which it is intended	10	
Proper selection of material according to use.	10	
Judges optional criteria	10	
TOTAL POSSIBLE POINTS	100	
TOTAL POINTS EARNED		

Trades & Industry
Contest No. 70136
FVTI Skills Fair

E - EXCELLENT
VG - VERY GOOD
G -GOOD
F - FAIR

ARCHITECTURAL MODELS
RATING SHEET

Participant Identification _____

CRITERIA	E	VG	G	F	P	POINTS JUDGED
Complexity of Model	30	25	20	25	10	
Proportion of Model	25	20	15	10	5	
Accuracy	25	20	15	10	5	
Neatness & Craftsmanship	25	20	15	10	5	
Simulation of Construction Techniques	25	20	15	10	5	
Attention to Construction Details	25	20	15	10	5	
Material Selection and Use Coloring and Painting	10 10	8 8	6 6	4 4	2 2	
Problem/Project Identification	10 10	8 8	6 6	4 4	2 2	
Functional Value	25	20	15	10	5	
TOTAL POSSIBLE POINTS	210	169	128	87	46	
TOTAL POINTS						

Trades & Industry
Contest No. 70137
FVTI Skills Fair

WELDING OF FLAT SPECIMEN WITH TENSIL TEST

Contest Description Sheet

Objectives: To assemble (join) by means of ARC welding, a series of metal pieces.

Activities: To assemble (join) by means of welding, two pieces of 1/4" x 2" x 8" SAE 1020 mild steel, hot rolled, "V" groove to 60 degrees. The weld build up should not exceed 1/32" on both sides and the bead width should not exceed 1/2 of one inch. Any weld build-up above this amount will require the grinding of coupon by student to specifications listed. Welds are to be made from one side only - multiple pass. E6011 and E6013 electrodes will be made available. Each entrant will select the welder of his choice and will make two assemblies, each of which will be turned in for testing purposes. Each entrant will be allowed 1/2 hour to complete the test. Each entrant can practice with one electrode on a piece of scrap before his test.

Judging Criteria: Each of the two selected assemblies will be tensil tested on a tensil testing machine. The average tensil strength in #/sq. inch of the two selected specimens will be determined and recorded.

Materials Needed: Fox Valley Technical Institute will furnish welding machines, welding compound, and electrodes. Entrants will supply their own protective glasses, helmets, pliers, chipping hammers, wire brush, and gloves.

Special Preparations: Each participating school will be allowed a maximum of two (2) entrants.

Trades & Industry
Contest No. 70138
FVTI Skills Fair

LAYOUT OF FLAT PLATE FROM BLUEPRINT, ANSWER TEST QUESTIONS AND PERFORM BASIC MACHINE TOOL OPERATIONS

Contest Description Sheet

Objectives:

1. To evaluate the student's ability to interpret a machine shop print.
2. To evaluate the student's ability to execute accurately with layout tools, his/her understanding of a print.
3. To evaluate the student's ability to perform three basic machine tool operations using basic tools.

Activities:

1. Each student will be issued a print and a questionnaire which he/she is to complete to the best of their ability in a given time period.
2. Each student will be issued a print and a workpiece from which he/she is to locate as accurately as possible, location dimensions for typical machining operations.
3. Each student will show their skill in laying out and drilling of two holes in work piece.
4. Each student will operate the engine lathe by performing one basic, facing and turning operation to prescribed tolerances.
5. Each student will grind 1/2" drill bit for basic drilling of steel.

Judging Criteria: The results of both objectives will be evaluated using a point system. Scores for objectives A and B will be averaged and awards will be made accordingly.

Eligibility: All entrants must be enrolled in grades 11 or 12.

Materials Needed: Each student will supply their own 12" rule, scribe, hammer, combination square and protractor set, center drill, 5/16 lathe tool bit, 1-inch MIG, 1/2" dia. straight or taper shank drill with blunt end, and location punch.

Trades & Industry
Contest No. 70138
FVTI Skills Fair

LAYOUT OF FLAT PLATE FROM BLUEPRINT, ANSWER TEST QUESTIONS AND PERFORM BASIC MACHINE TOOL OPERATIONS

Contest Description Sheet

Maximum Number of Entrants: Each participating school is allowed no more than two (2) entrant.

NOTE: Objective "B." Accuracy of dimension locations will be checked using a cordax digital measuring machine to determine location proficiency.

Trade & Industry
Contest No. 70139
FVTI Skills Fair

AUTOMOTIVE WRITTEN TROUBLESHOOTING AND PARTS IDENTIFICATION TEST

Contest Description Sheet

Objectives: To correctly identify all parts of various auto assemblies. To answer correctly various questions dealing with automotive theory and practices. To use test equipment to diagnose, test and correct problems in auto assemblies, parts or systems.

Activities: To answer test questions in a quiet classroom setting by writing or selecting answers to all types of problems on auto theory or practices. To move through eight test areas in the FVTI Auto Lab performing actual tests utilizing various pieces of test equipment on auto systems or assemblies explaining various systems and its parts to judges or identifying various parts and components on paper to a judge.

Judging Criteria: Each participant will be judged on results of performance test and activities and answers to written tests. These will be computed into a final total of points and the contestant having the most points is the winner.

Materials Needed: Students should come with safety glasses and a pencil.

Special Preparations: Each participating school will be allowed a maximum of three (3) entrants.

OTHER ACTIVITIES

Fox Valley Technical Institute is inviting all high school students and their parents to participate in an open house on Wednesday evening, May 15, from 4:00-8:00 p.m. In addition to viewing the judged projects from the Skills Fair, visitors can participate in the 1985 FVTI Health Fair, view displays and demonstrations representing each area of instruction offered by FVTI, or take in the movie, "Romancing the Stone" at 6:30 p.m.

On Thursday, May 16, several of the same demonstrations will be available for student viewing.

The Health and Human Services Division will offer several activities for participating students. There will be a mini-health fair geared to maintaining and increasing one's physical fitness and general health. Information will be shared regarding weight control, exercise and general wellness. Alcohol and substance abuse information, including legal consequences, will be available. A mini-health career expo will also be offered. Programs in nursing and allied health will be highlighted in displays and information booths.

In addition, the students of FVTI's Principles of Design class will sponsor an Interior Design Art Show on Thursday, May 16.

Demo Number	Title	Location
70004/70009	Accounting Software and Micro-Computers	A105
70002/70010	Accounting Spreadsheets and Micro-Computers	A105
70094	Accounting Terminology/Applications on Computer Terminals	A106
70140	Computer Application in the Machine Tool Program	F132
70013	Designing a Floral Arrangement/ Career Opportunities in Horticulture	B122
70052	Food Preparation Techniques	E123
70014/70015 70019	Gun Safety/Hunter Education	B125
70053/70054	Interior Design Program Tour	A130
70006/70003	Marketing Careers Seminar	F102
70020/70007	Medical Clerical/Secretarial Overview	F102
70142	Micro-Computers and Drafting	E119
70143	Tour of Graphic Arts Department	F117-118
70095	Programming in Waterloo Basic	A106
70096/70097	Real Estate Investments	B108
70098/70099 70103	Word Processing	A125

TITLE: Accounting Software and Micro-Computers

DEMO NO.: 70004 (10:30 a.m.) 70009 (12:00 p.m.)

ACTIVITY: A demonstration of a variety of accounting software available for the IBM PC.

TIME: 10:30-11:00 a.m., 12:00-12:30 p.m.

MAXIMUM: 15 students per session

LOCATION A105

FOR MORE INFORMATION: Contact Nancy Wittrock, (414) 735-5082

TITLE: Accounting Spreadsheets and Micro-Computers

DEMO NO.: 70002 (11:00 a.m.) 70010 (12:30 p.m.)

ACTIVITY: Demonstration of accounting reports using Lotus 1, 2, 3.

TIME: 11:00-11:30 a.m., 12:30-1:00 p.m.

MAXIMUM: 15 students per session

LOCATION: A105

FOR MORE INFORMATION: Contact Nancy Wittrock, (414) 735-5082

TITLE: Accounting Terminology/Applications on Computer Terminals

DEMO NO.: 70094

ACTIVITY: Accounting Terminology and Micro-Computers

TIME: 10:30 a.m. - 11:00 a.m., 11:15 a.m. - 11:45 a.m.

MAXIMUM: 15 students per session

LOCATION: A106

FOR MORE INFORMATION: Contact Nancy Wittrock, (414) 735-5082

TITLE: Computer Application in the Machine Tool Program

DEMO NO.: 70140

ACTIVITY: The Numeridex computer and programmer will be demonstrated. Spectators will be shown how a machine tool may be programmed for a specific machining operation.

TIME: 10:30 a.m.

MAXIMUM: 20 students per session

LOCATION F132

FOR MORE INFORMATION: Contact Ron Zenke, (414) 735-5777

TITLE: Designing a Floral Arrangement/Career Opportunities in Horticulture

DEMO NO.: 70013

ACTIVITY: Students will learn of part-time and full-time career opportunities existing in the field of horticulture. An actual floral arrangement will be developed for the audience, exemplifying skills and knowledge required.

TIME: 11:00 a.m. - 11:30 a.m.

MAXIMUM: 20 students per session

LOCATION: B122

FOR MORE INFORMATION: Contact Steve Schneider, (414) 735-6268

TITLE: Food Preparation Techniques

DEMO NO.: 70052

ACTIVITY: Students will be given an overview of the Hospitality/Culinary Arts programs at Fox Valley Technical Institute and see a demonstration featuring food preparation techniques.

TIME: Wed., May 15, 6:00 p.m., Thurs., May 16, 11:00 a.m.

MAXIMUM: 50 students

LOCATION: E123

FOR MORE INFORMATION: Contact Marilyn Loberg, (414) 735-5638

TITLE: Graphic Arts Department Tour

DEMO NO.: 70143

ACTIVITY: Students will be given a tour of the Graphic Arts Department. Students may be permitted to use a micro-computer.

TIME: 10:30 a.m.

MAXIMUM: 20 students per session

LOCATION: F117-118

FOR MORE INFORMATION: Contact Ron Zenke, (414) 735-5777

TITLE: Gun Safety/Hunter Education

DEMO NO.: 70014 (10:30 a.m.) 70015 (11:00 a.m.)
70019 (11:30 a.m.)

ACTIVITY: Students will test their skill in judging when and where not to shoot, using ten hunting situations portrayed in the film "Shoot/Don't Shoot."

TIME: 10:30 a.m. - 10:50 a.m., 11:00 a.m. - 11:20 a.m., and 11:30 - 11:50 a.m.

MAXIMUM: 20 students per session

LOCATION: B125

FOR MORE INFORMATION: Contact Steve Schneider, (414) 735-6268

TITLE: Interior Design

DEMO NO.: 70053

ACTIVITY: A tour will be conducted through the FVTI Interior Design Department, and a career slide series showing the various aspects of Interior Design will be available.

TIME: 9:00 a.m.

MAXIMUM: 20 students

LOCATION: A130

FOR MORE INFORMATION: Contact Joan Rolfs, (414) 735-2419

TITLE: Marketing Careers Seminars

DEMO NO.: 70006 (11:30 a.m.) 70003 (1:00 p.m.)

ACTIVITY: A presentation and discussion of the variety of career opportunities available to the marketing student. DECA Club members will present information on the local chapter.

TIME: 11:30-12:00 noon, 1:00-1:30 p.m.

MAXIMUM: 20 students

LOCATION: F102

FOR MORE INFORMATION: Contact Nancy Wittrock, (414) 735-5082

TITLE: Medical Clerical/Secretarial Overview

DEMO NO.: 70020 (10:30 a.m.) 70007 (1:30 p.m.)

ACTIVITY: Demonstration and overview of the medical clerical and medical secretarial courses offered at FVTI.

TIME: 10:30-11:00 a.m., 1:30-2:00 p.m.

MAXIMUM: 20 students per session

LOCATION: F102

FOR MORE INFORMATION: Contact Nancy Wittrock, (414) 735-5082

TITLE: Micro-Computers and Drafting

DEMO NO.: 70142

ACTIVITY: Demonstrations will be given on Apple II micro-computers, showing computer-aided design concepts. Spectators may be permitted to work through a design problem.

TIME: 10:30 a.m.

MAXIMUM: 20 students per session

LOCATION: E119

FOR MORE INFORMATION: Contact Ron Zenke, (414) 735-5777

TITLE: Programming in Waterloo Basic

DEMO NO.: 70095

ACTIVITY: A demonstration of Fox Valley Technical Institute's interactive timesharing system and programming in Waterloo Basic.

TIME: 9:30 a.m. - 10:00 a.m., 1:00 p.m. - 1:30 p.m.

MAXIMUM: 15 students per session

LOCATION: A106

FOR MORE INFORMATION: Contact Nancy Wittrock, (414) 735-5082

TITLE: Real Estate Investments

DEMO NO.: 70096 (10:30 a.m.) 70097 (1:00 p.m.)

ACTIVITY: A demonstration of how to analyze real estate investments through the use of a computer.

TIME: 10:30 a.m. - 11:30 a.m., 1:00 p.m. - 2:00 p.m.

MAXIMUM: 15 students per session

LOCATION: B108

FOR MORE INFORMATION: Contact Nancy Wittrock, (414) 735-5082

TITLE: Word Processing

DEMO NO.: 70098 (10:30 a.m.) 70099 (11:30 a.m.)
70103 (1:00 p.m.)

ACTIVITY: A demonstration of Fox Valley Technical Institute's instructional shared resource Word Processing system.

TIME: 10:30 a.m. - 11:15 a.m., 11:30 a.m. - 12:15 p.m.
1:00 p.m. - 1:45 p.m.

MAXIMUM: 15 students per session

LOCATION: A125

FOR MORE INFORMATION: Contact Nancy Wittrock, (414) 735-5082

SKILLS FAIR STEERING COMMITTEE:

Martha Cuthbert	-	Allied Health Health & Human Services Division
Leigh Gisvold	-	General Education Special Services & General Education Division
Mary Heyer	-	Skills Fair Coordinator Marketing Services Specialist
Pattee LaFountain	-	FVTI Foundation Manager
Marilyn Leberg	-	Home & Consumer Sciences Agriculture/Home & Consumer Sciences Division
Steve Schneider	-	Natural Resources Agriculture/Home and Consumer Sciences Division
Karen Stern	-	General Education Special Services & General Education Division
Nancy Wittrock	-	Business & Marketing Business & Distributive Education Division
Ron Zenke	-	Trades & Industry Trades & Industry Division

FOR MORE INFORMATION CONTACT:

Mary Heyer
Marketing Services Specialist
Fox Valley Technical Institute
P.O. Box 2277
Appleton, WI 54913
(414) 735-2468

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3. CROSS OUT ERRORS - DO NOT ERASE.

FOX VALLEY TECHNICAL INSTITUTE

1825 N. Bluemound Drive P.O. Box 2277 Appleton, Wis. 54911

SKILLS FAIR

BATCH NO.

Do not write in this space
STUDENT IDENTIFICATION NUMBER

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Current grade in H.S. (Circle One) 9 - 10 - 11 - 12

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LAST NAME | FIRST | MIDDLE INITIAL

PRESENT ADDRESS (NUMBER) OPTIONAL | STREET RFD

CITY | STATE | ZIP CODE

HIGH SCHOOL NAME

CITY

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CONTEST NUMBER	CONTEST NAME	TIME	ROOM	INSTRUCTOR

TUITION STATUS ☐ 1. RESIDENT ☐ 2. NON RESIDENT ☐ 3. NON RESIDENT - NON TUITION

CITY COUNTY MUN. *

HIGH SCHOOL *

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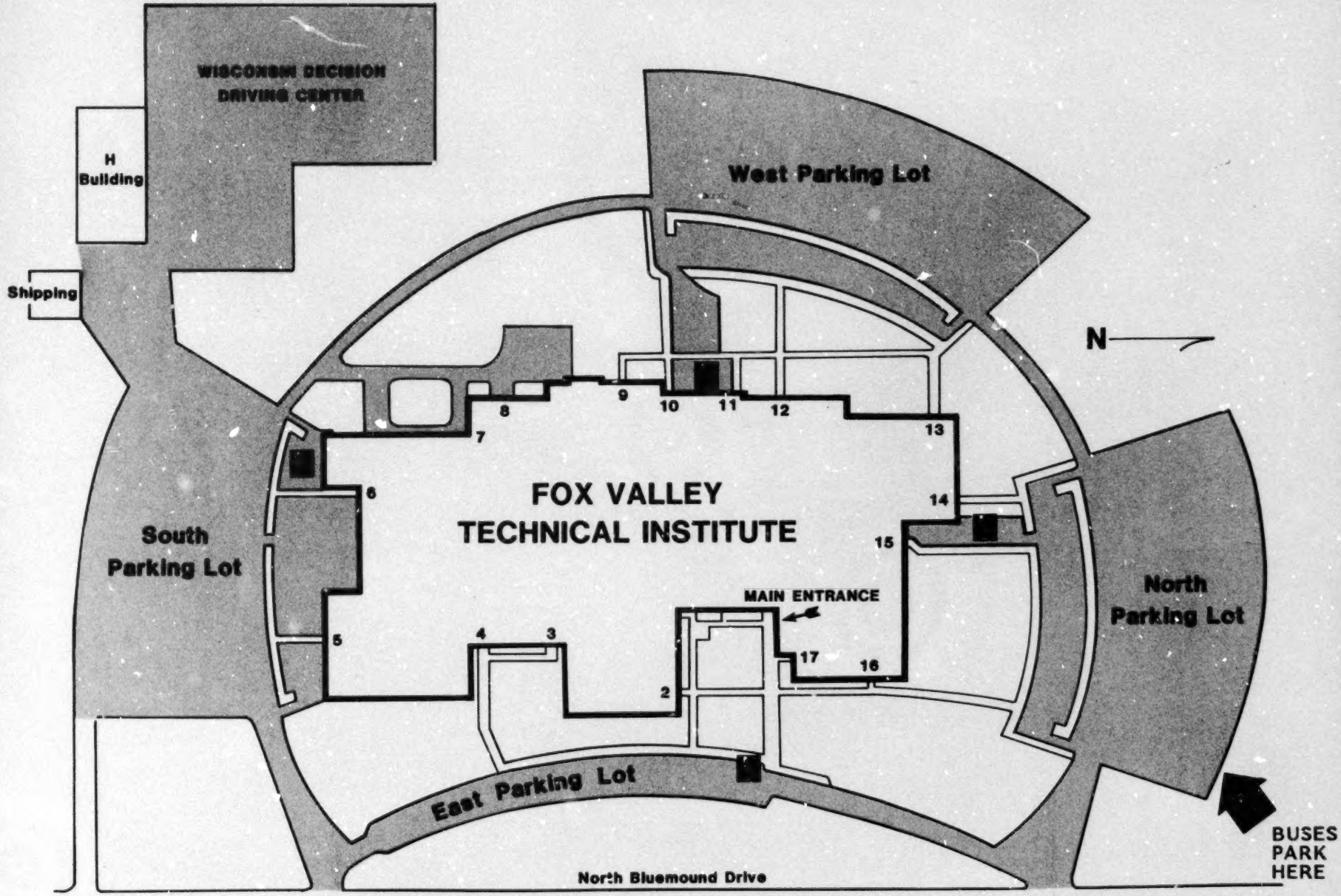
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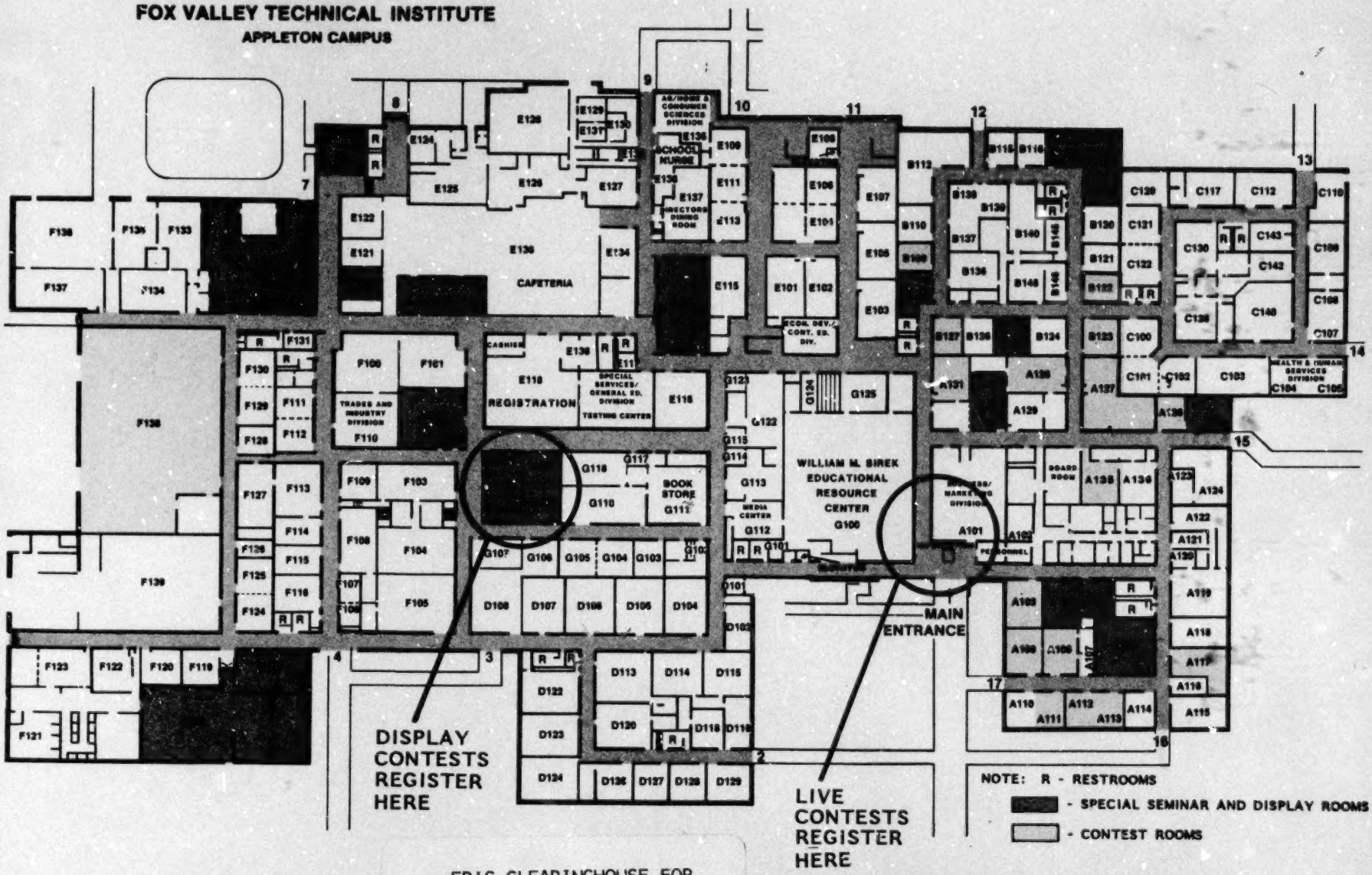

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AUGUST 23, 1985

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